Department of Defense
Fiscal Year (FY) 2024 Budget Estimates

March 2023

Navy

Justification Book Volume 1 of 1

Procurement of Ammo, Navy & MC

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Procurement of Ammunition, Navy and Marine Corps

For construction, procurement, production, and modification of ammunition, and accessories therefor; specialized equipment and training devices; expansion of public and private plants, including ammunition facilities, authorized by section 2854 of title 10, United States Code, and the land necessary therefor, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes, $1,293,273,000 to remain available for obligation until September 30, 2026.

Fiscal Year (FY) 2024 Overseas Operations Costs funding accounted for in the Base budget total $18,210,000.

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Department of Defense
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
DoD Component Summary
(Dollars in Thousands)

Appropriation Summary	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
Procurement of Ammunition, Navy and Marine Corps	886,052	920,884		920,884	1,293,273
Total Department of the Navy	**886,052**	**920,884**		**920,884**	**1,293,273**
Grand Total Department of Defense	**886,052**	**920,884**		**920,884**	**1,293,273**

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
Navy Summary
(Dollars in Thousands)

Appropriation Summary	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
Procurement of Ammunition, Navy and Marine Corps	886,052	920,884		920,884	1,293,273
Total Department of the Navy	**886,052**	**920,884**		**920,884**	**1,293,273**

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N BA Summary
(Dollars in Thousands)

Appropriation: **Procurement of Ammunition, Navy and Marine Corps**	FY 2022 Actuals	FY 2023 Less Supplementals Enactment	FY 2023 Supplementals Enactment*	FY 2023 Total Enactment	FY 2024 Request
Budget Activity					
01. Procurement of Ammunition, Navy	496,912	586,119		586,119	858,791
02. Ammunition, Marine Corps	389,140	334,765		334,765	434,482
Total Procurement of Ammunition, Navy and Marine Corps	**886,052**	**920,884**		**920,884**	**1,293,273**

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost*
Budget Activity 01: Procurement of Ammunition, Navy									
Navy Ammunition									
1	General Purpose Bombs	A	U	0	43,424	0	35,159		
2	JDAM	B	U	944	48,526	3,037	76,688		
3	Airborne Rockets, All Types	A	U	0	75,383	0	70,005		
4	Machine Gun Ammunition	A	U	0	13,455	0	17,366		
5	Practice Bombs	A	U	0	47,844	0	44,524		
6	Cartridges & Cart Actuated Devices	A	U	0	68,387	0	71,391		
7	Air Expendable Countermeasures	A	U	0	56,249	0	107,300		
8	JATOS	A	U	0	6,620	0	7,096		
9	5 Inch/54 Gun Ammunition	A	U	0	25,923	0	20,471		
10	Intermediate Caliber Gun Ammunition	A	U	0	28,610	0	27,870		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2023 Total Enactment		FY 2024 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost
Budget Activity 01: Procurement of Ammunition, Navy							
Navy Ammunition							
1	General Purpose Bombs	A	U	0	35,159	0	43,519
2	JDAM	B	U	3,037	76,688	1,464	73,689
3	Airborne Rockets, All Types	A	U	0	70,005	0	67,423
4	Machine Gun Ammunition	A	U	0	17,366	0	11,862
5	Practice Bombs	A	U	0	44,524	0	52,481
6	Cartridges & Cart Actuated Devices	A	U	0	71,391	0	72,426
7	Air Expendable Countermeasures	A	U	0	107,300	0	104,529
8	JATOS	A	U	0	7,096	0	7,433
9	5 Inch/54 Gun Ammunition	A	U	0	20,471	0	30,871
10	Intermediate Caliber Gun Ammunition	A	U	0	27,870	0	41,261

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost*
11	Other Ship Gun Ammunition	A	U	0	34,949	0	39,595		
12	Small Arms & Landing Party Ammo	A	U	0	37,995	0	44,552		
13	Pyrotechnic and Demolition	A	U	0	8,757	0	9,480		
14	Ammunition Less Than $5 Million	A	U	0	790	0	1,622		
15	Expeditionary Loitering Munitions	A	U			0	13,000		
Total Procurement of Ammunition, Navy				**944**	**496,912**	**3,037**	**586,119**		
Budget Activity 02: Ammunition, Marine Corps									
Marine Corps Ammunition									
16	Mortars	A	U	0	41,228	0	62,713		
17	Direct Support Munitions	A	U	0	132,712	0	52,241		
18	Infantry Weapons Ammunition	A	U	0	68,955	0	161,803		
19	Combat Support Munitions	A	U	0	28,362	0	19,691		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2023 Total Enactment		FY 2024 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost
11	Other Ship Gun Ammunition	A	U	0	39,595	0	44,044
12	Small Arms & Landing Party Ammo	A	U	0	44,552	0	48,478
13	Pyrotechnic and Demolition	A	U	0	9,480	0	9,521
14	Ammunition Less Than $5 Million	A	U	0	1,622	0	1,679
15	Expeditionary Loitering Munitions	A	U	0	13,000	0	249,575
Total Procurement of Ammunition, Navy				**3,037**	**586,119**	**1,464**	**858,791**
Budget Activity 02: Ammunition, Marine Corps							
Marine Corps Ammunition							
16	Mortars	A	U	0	62,713	0	61,274
17	Direct Support Munitions	A	U	0	52,241	0	73,338
18	Infantry Weapons Ammunition	A	U	0	161,803	0	178,240
19	Combat Support Munitions	A	U	0	19,691	0	15,897

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2022 Actuals		FY 2023 Less Supplementals Enactment		FY 2023 Supplementals Enactment	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost	Quantity	Cost*
20	Ammo Modernization	A	U	0	16,727	0	17,327		
21	Artillery Munitions	A	U	0	97,048	0	15,514		
22	Items Less Than $5 Million	A	U	0	4,108	0	5,476		
Total Ammunition, Marine Corps				**0**	**389,140**	**0**	**334,765**		
Total Procurement of Ammunition, Navy and Marine Corps				**944**	**886,052**	**3,037**	**920,884**		

*Includes enacted funding in the Ukraine Supplemental Appropriation Act, 2023 (Division B of Public Law 117-180) and Additional Ukraine Supplemental Appropriation Act, 2023 (Division M of Public Law 117-328).

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2023 Total Enactment		FY 2024 Request	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost	Quantity	Cost
20	Ammo Modernization	A	U	0	17,327	0	17,941
21	Artillery Munitions	A	U	0	15,514	0	82,452
22	Items Less Than $5 Million	A	U	0	5,476	0	5,340
Total Ammunition, Marine Corps				**0**	**334,765**	**0**	**434,482**
Total Procurement of Ammunition, Navy and Marine Corps				**3,037**	**920,884**	**1,464**	**1,293,273**

Department of Defense
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
DoD Component Summary
(Dollars in Thousands)

Appropriation Summary	FY 2023 Overseas Operations Costs (OOC)*	FY 2024 Overseas Operations Costs (OOC)*
Procurement of Ammunition, Navy and Marine Corps	22,520	18,210
Total Department of the Navy	**22,520**	**18,210**
Grand Total Department of Defense	**22,520**	**18,210**

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
Navy Summary
(Dollars in Thousands)

Appropriation Summary	FY 2023 Overseas Operations Costs (OOC)*	FY 2024 Overseas Operations Costs (OOC)*
Procurement of Ammunition, Navy and Marine Corps	22,520	18,210
Total Department of the Navy	**22,520**	**18,210**

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N BA Summary
(Dollars in Thousands)

Appropriation: **Procurement of Ammunition, Navy and Marine Corps**	FY 2023 Overseas Operations Costs (OOC)*	FY 2024 Overseas Operations Costs (OOC)*
Budget Activity		
01. Procurement of Ammunition, Navy	22,520	18,210
Total Procurement of Ammunition, Navy and Marine Corps	**22,520**	**18,210**

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

Department of the Navy
FY 2024 President's Budget
Exhibit P-1 FY 2024 President's Budget
Total Obligational Authority
1508N Detail
(Dollars in Thousands)

Appropriation: 1508 Procurement of Ammunition, Navy and Marine				FY 2023 Overseas Operations Costs (OOC)		FY 2024 Overseas Operations Costs (OOC)	
Line No	Item Nomenclature	Ident Code	Sec	Quantity	Cost*	Quantity	Cost*
Budget Activity 01: Procurement of Ammunition, Navy							
Navy Ammunition							
1	General Purpose Bombs	A	U	0	395	0	149
2	JDAM	B	U	27	694	0	1,747
3	Airborne Rockets, All Types	A	U	0	9,877	0	10,972
4	Machine Gun Ammunition	A	U	0	8,600		
7	Air Expendable Countermeasures	A	U	0	2,904	0	5,291
13	Pyrotechnic and Demolition	A	U	0	50	0	51
Total Procurement of Ammunition, Navy				**27**	**22,520**	**0**	**18,210**
Total Procurement of Ammunition, Navy and Marine Corps				**27**	**22,520**	**0**	**18,210**

*FY 2023 and FY 2024 Overseas Operations Costs (OOC) numbers are a subset of the baseline submission.

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Line Item Table of Contents (by Appropriation then Line Number)

Appropriation 1508N: Procurement of Ammo, Navy & MC

Line #	BA	BSA	Line Item Number	Line Item Title	Page
1	01	01	0145	General Purpose Bombs	Volume 1 - 1
2	01	01	0148	JT Direct Attack Munition (JDAM)	Volume 1 - 19
3	01	01	0151	Airborne Rockets, All Types	Volume 1 - 29
4	01	01	0155	Machine Gun Ammunition	Volume 1 - 43
5	01	01	0160	Practice Bombs	Volume 1 - 53
6	01	01	0180	Cartridge Actuated Devices/Propellant Act Devices	Volume 1 - 67
7	01	01	0182	Air Expendable Countermeasures	Volume 1 - 81
8	01	01	0194	Jet Assisted Take Off (JATOs)	Volume 1 - 101
9	01	01	0250	5 Inch/54 Gun Ammunition	Volume 1 - 111
10	01	01	0266	Intermediate Caliber Gun Ammo	Volume 1 - 123
11	01	01	0270	Other Ship Gun Ammunition	Volume 1 - 133
12	01	01	0335	Small Arms & Lndg Party Ammo	Volume 1 - 149
13	01	01	0340	Pyrotechnic and Demolition	Volume 1 - 175
14	01	01	0400	Ammunition less than $5 million	Volume 1 - 193
15	01	01	1776	Expeditionary Loitering Munitions	Volume 1 - 201

Appropriation 1508N: Procurement of Ammo, Navy & MC

Line #	BA	BSA	Line Item Number	Line Item Title	Page
16	02	01	1085	Mortars	Volume 1 - 205
17	02	01	1125	Direct Support Munitions	Volume 1 - 225
18	02	01	1350	Infantry Weapons Ammunition	Volume 1 - 255
19	02	01	1550	Combat Support Munitions	Volume 1 - 295
20	02	01	1630	Ammo Modernization	Volume 1 - 327
21	02	01	1650	Artillery Munitions	Volume 1 - 331
22	02	01	1660	Items less than $5 million	Volume 1 - 363

Line Item Table of Contents (Alphabetically by Line Item Title)

Line Item Title	Line Item Number	Line #	BA	BSA	Page
5 Inch/54 Gun Ammunition	0250	9	01	01	Volume 1 - 111
Air Expendable Countermeasures	0182	7	01	01	Volume 1 - 81
Airborne Rockets, All Types	0151	3	01	01	Volume 1 - 29
Ammo Modernization	1630	20	02	01	Volume 1 - 327
Ammunition less than $5 million	0400	14	01	01	Volume 1 - 193
Artillery Munitions	1650	21	02	01	Volume 1 - 331
Cartridge Actuated Devices/Propellant Act Devices	0180	6	01	01	Volume 1 - 67
Combat Support Munitions	1550	19	02	01	Volume 1 - 295
Direct Support Munitions	1125	17	02	01	Volume 1 - 225
Expeditionary Loitering Munitions	1776	15	01	01	Volume 1 - 201
General Purpose Bombs	0145	1	01	01	Volume 1 - 1
Infantry Weapons Ammunition	1350	18	02	01	Volume 1 - 255
Intermediate Caliber Gun Ammo	0266	10	01	01	Volume 1 - 123
Items less than $5 million	1660	22	02	01	Volume 1 - 363
JT Direct Attack Munition (JDAM)	0148	2	01	01	Volume 1 - 19
Jet Assisted Take Off (JATOs)	0194	8	01	01	Volume 1 - 101
Machine Gun Ammunition	0155	4	01	01	Volume 1 - 43

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Mortars	1085	16	02	01	Volume 1 - 205
Other Ship Gun Ammunition	0270	11	01	01	Volume 1 - 133
Practice Bombs	0160	5	01	01	Volume 1 - 53
Pyrotechnic and Demolition	0340	13	01	01	Volume 1 - 175
Small Arms & Lndg Party Ammo	0335	12	01	01	Volume 1 - 149

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: N/A		

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2,769.693	43.424	35.159	43.519	0.000	43.519	41.488	43.022	45.703	48.024	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	2,769.693	43.424	35.159	43.519	0.000	43.519	41.488	43.022	45.703	48.024	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2,769.693**	**43.424**	**35.159**	**43.519**	**0.000**	**43.519**	**41.488**	**43.022**	**45.703**	**48.024**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The General Purpose (GP) bombs budget sustains munition component inventory levels as defined in the Navy Munitions Requirement Process (NMRP) model. This model produces inventory requirements based on fleet operational scenarios and the number of weapons required to engage defined target sets. The budget also procures on-going technology integration to optimize the production and capability of products within the Direct Attack Weapons (DAW) portfolio. Inventory levels fluctuate year to year based on changes to the model as tactical targets are reassessed and weapons are expended in tactical operations and training. This variable requirement is assessed and a mean average is used to buffer out the most extreme changes.

The GP Bombs Budget procures several different categories of munition components. The bomb bodies procured vary in size, construction and explosive fill to provide the desired effect when employed against their targets. The fuzes, aero components, sensors and guidance kits procured provide a variety of detonation options for optimal lethality and flight control options to deliver the weapon to its intended target. A family of fuzes, when installed into the weapon, provides a controlled initiation of the explosive fill when commanded through impact with a target or at a predetermined time. This predetermined time may occur above the ground for a detonation above the target or below the ground after impact to engage deeply buried hardened targets. A basic fixed fin stabilizes the bomb and allows the weapon to travel on a ballistic line of fall as controlled by forward movement imparted by the aircraft and gravity. Laser guided components control the fall of the bomb using movable surfaces and a laser-detecting device to guide the bomb to a location on the ground illuminated by a laser designator.

There is also funding included in this budget to address a myriad of subcomponents that are used in the assembly of the various weapon configurations, including arming wires, adapters, lugs, nose plugs, aero surfaces, mechanical interfaces, cables and other components required for All Up Round (AUR) configurations. Lastly, this budget funds production engineering, integrated logistics, and product improvement efforts to sustain production and ongoing enhancements to ensure the weapons remain relevant in the environments they are used.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / GP Bomb	P-5a, P-21			- / 2,769.693	- / 43.424	- / 35.159	- / 43.519	- / 0.000	- / 43.519
P-40	**Total Gross/Weapon System Cost**				**- / 2,769.693**	**- / 43.424**	**- / 35.159**	**- / 43.519**	**- / 0.000**	**- / 43.519**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
This budget supports critical Navy Title 10 war reserve/operational, training and test requirements IAW DoD Instruction 3000.04 (Munitions Requirements Process) and OPNAV INST 8011.9 (Navy Munitions Requirements Process). War reserve requirements support OSD-approved Combatant Commander Operational Plans, Homeland Defense, and other OSD-directed missions. Training requirements support individual and collective training of Active and Reserve Component forces. Test requirements support the verification, fielding, safety and quality assurance of Navy weapons and equipment throughout their life cycle.

FY 2024 baseline funding is required to meet Naval Munitions Requirements Process (NMRP) inventory requirements. This model produces inventory requirements based on fleet operational scenarios and the number of weapons required to engage defined target sets. The budget also procures on-going technology integration to optimize the production and capability of products within the Direct Attack Weapons (DAW) portfolio. Inventory requirements fluctuate year to year based on changes to the model as tactical targets are reassessed and weapons are expended in tactical operations and training. This variable requirement is assessed and a mean average is used buffer out the most extreme changes.

Annual Non-Combat Expenditure Allowance (NCEA) prepares Naval Aviation units for deployment and is the largest cause of current and future General Purpose (GP) bombs procurement. Unlike procurement of capital assets, NCEA consumes GP bombs in support of Fleet readiness every year. Procurements are primarily designed to replenish the weapons used each year to achieve required readiness levels. Barring a reduction in fleet training expenditures and the correlating readiness degradation, any reductions in GP bombs procurements in a given year will have to be addressed with increased procurements in the out years to restore inventory to a level adequate to support NCEA and fleet readiness.

FY 2024 baseline funding in the amount of $0.149M is provided in support of Non-Enduring Operations.

OOC:
FY 2022 includes $2.523M in OOC execution.
FY 2023 includes $0.395M in OOC enacted budget.
FY 2024 includes $0.149M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2,769.693	43.424	35.159	43.519	0.000	43.519
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	2,769.693	43.424	35.159	43.519	0.000	43.519
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2,769.693**	**43.424**	**35.159**	**43.519**	**0.000**	**43.519**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware Cost																		
Recurring Cost																		
1.1.1) Q2191 BLU-111(†) (1)	4,580.82	13,326	61.044	-	-	-	6,496.70	20	0.130	-	-	-	-	-	-	-	-	-
1.1.2) Q2192 BLU-110(†) (2)	9,642.27	3,279	31.617	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Q2199 BLU-109(†) (3)	29,714.37	1,733	51.495	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) Q2160 BLU-117(†) (4)	17,816.86	344	6.129	26,030.80	162	4.217	26,551.41	66	1.752	27,082.43	55	1.490	-	-	-	27,082.43	55	1.490
1.1.5) Q2011 BSU-33 Con Fin(†) (5)	239.71	17,000	4.075	-	-	-	-	-	-	268.26	1,366	0.366	-	-	-	268.26	1,366	0.366
1.1.6) Q2193 BLU-126(†) (6)	9,961.15	1,596	15.898	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*170.258*	-	-	*4.217*	-	-	*1.882*	-	-	*1.856*	-	-	-	-	-	*1.856*
Subtotal: Hardware Cost	**-**	**-**	***170.258***	**-**	**-**	***4.217***	**-**	**-**	***1.882***	**-**	**-**	***1.856***	**-**	**-**	**-**	**-**	**-**	***1.856***
Hardware - Guided Bombs Cost Cost																		
Recurring Cost																		
2.1.1) Q2230 GBU-49 Precision Kit(†)	44,760.45	359	16.069	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) Q2200 Laser Capability DSU-38(†)	12,604.55	11,650	146.843	17,142.00	39	0.669	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.3) Q2220 Laser Capability DSU-42(†)	17,309.22	1,161	20.096	-	-	-	-	-	-	18,163.72	317	5.758	-	-	-	18,163.72	317	5.758
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)(†)	10,682.46	3,272	34.953	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) Q2181 Laser Guided Bombs CCG (Lockheed)(†)	21,741.80	1,859	40.418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) Q2181 Laser Guided Bombs CCG(†) (7)	-	-	-	-	-	-	9,576.78	612	5.861	9,768.32	1,095	10.696	-	-	-	9,768.32	1,095	10.696
2.1.7) Q2187 Laser Guided Bombs AFG(†)	4,555.91	7,199	32.798	-	-	-	5,190.00	612	3.176	5,293.80	1,095	5.797	-	-	-	5,293.80	1,095	5.797
2.1.8) Q2197 Bombs Subcomponents (8)	-	-	11.937	-	-	0.939	-	-	0.932	-	-	0.225	-	-	-	-	-	0.225
Subtotal: Recurring Cost	-	-	*303.114*	-	-	*1.608*	-	-	*9.969*	-	-	*22.476*	-	-	-	-	-	*22.476*
Non Recurring Cost																		
2.2.1) Q2897 GBU-49 Precision Kit Non-Recurring	-	-	0.343	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2.2) Q2895 DSU-42 Laser Capability Non Recurring	-	-	42.524	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2.3) Q2899 - NRE - JDAM QS-ER (9)	-	-	1.750	-	-	3.467	-	-	1.728	-	-	-	-	-	-	-	-	-
2.2.4) Q2898 BLU-137 Non Recurring (10)	-	-	-	-	-	-	-	-	4.915	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*44.617*	-	-	*3.467*	-	-	*6.643*	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Guided Bombs Cost Cost	**-**	**-**	***347.731***	**-**	**-**	***5.075***	**-**	**-**	***16.612***	**-**	**-**	***22.476***	**-**	**-**	**-**	**-**	**-**	***22.476***
Hardware - Fuzes Cost Cost																		
Recurring Cost																		
3.1.1) Q2032 FMU-139 Electronic Fuze System(†) (11)	1,758.72	80,496	141.570	2,313.11	11,475	26.543	2,340.51	3,838	8.983	2,387.32	4,487	10.712	-	-	-	2,387.32	4,487	10.712
Subtotal: Recurring Cost	-	-	*141.570*	-	-	*26.543*	-	-	*8.983*	-	-	*10.712*	-	-	-	-	-	*10.712*
Non Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.2.1) Q2896 FUZE Non Recurring (12)	-	-	49.174	-	-	-	-	-	-	-	-	0.920	-	-	-	-	-	0.920
Subtotal: Non Recurring Cost	-	-	*49.174*	-	-	-	-	-	-	-	-	*0.920*	-	-	-	-	-	*0.920*
Subtotal: Hardware - Fuzes Cost Cost	**-**	**-**	***190.744***	**-**	**-**	***26.543***	**-**	**-**	***8.983***	**-**	**-**	***11.632***	**-**	**-**	**-**	**-**	**-**	***11.632***
Hardware - Prior Years Cost																		
Non Recurring Cost																		
4.1.1) Prior Years Cumulative Funding	-	-	1,917.915	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*1,917.915*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	**-**	**-**	***1,917.915***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support - Integrated Logistics Cost																		
5.1) Q2800 GP Bombs	-	-	2.976	-	-	0.244	-	-	0.249	-	-	0.254	-	-	-	-	-	0.254
5.2) Q2800 Guided Bombs	-	-	4.280	-	-	0.287	-	-	0.292	-	-	0.298	-	-	-	-	-	0.298
5.3) Q2800 Fuzes	-	-	4.006	-	-	0.465	-	-	0.474	-	-	0.483	-	-	-	-	-	0.483
Subtotal: Support - Integrated Logistics Cost	**-**	**-**	***11.262***	**-**	**-**	***0.996***	**-**	**-**	***1.015***	**-**	**-**	***1.035***	**-**	**-**	**-**	**-**	**-**	***1.035***
Support - Production Engineering Cost																		
6.1) Q2830 GP Bombs	-	-	31.453	-	-	2.135	-	-	2.121	-	-	2.106	-	-	-	-	-	2.106
6.2) Q2830 Guided Bombs	-	-	39.143	-	-	1.053	-	-	1.074	-	-	1.095	-	-	-	-	-	1.095
6.3) Q2830 Fuzes (13)	-	-	32.566	-	-	2.363	-	-	2.409	-	-	2.458	-	-	-	-	-	2.458
Subtotal: Support - Production Engineering Cost	**-**	**-**	***103.162***	**-**	**-**	***5.551***	**-**	**-**	***5.604***	**-**	**-**	***5.659***	**-**	**-**	**-**	**-**	**-**	***5.659***
Support - Miscellaneous Support Cost																		
7.1) Q2850 Product Improvement Program (PIP) (14)	-	-	20.507	-	-	0.278	-	-	0.284	-	-	0.289	-	-	-	-	-	0.289
7.2) Q2892 Non-Standard Items (15)	-	-	2.732	-	-	0.257	-	-	0.262	-	-	0.147	-	-	-	-	-	0.147
7.3) Q2893 Remanufacture Components (16)	-	-	2.413	-	-	0.229	-	-	0.234	-	-	0.138	-	-	-	-	-	0.138
7.4) Q2894 Gauging (17)	-	-	2.969	-	-	0.278	-	-	0.283	-	-	0.287	-	-	-	-	-	0.287

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Support - Miscellaneous Support Cost	-	-	***28.621***	-	-	***1.042***	-	-	***1.063***	-	-	***0.861***	-	-	-	-	-	***0.861***
Gross/Weapon System Cost	-	-	**2,769.693**	-	-	**43.424**	-	-	**35.159**	-	-	**43.519**	-	-	**0.000**	-	-	**43.519**

(†) indicates the presence of a P-5a

Footnotes:

(1) Q2191 BLU-111 is a 500 lb. general purpose bomb consisting of the all components (bomb body, energetics, electronics, Insensitive munitions coatings and protective shipping equipment).

(2) Q2192 BLU-110 is a 1000 lb. general purpose bomb consisting of the all components (bomb body, energetics, electronics, Insensitive munitions coatings and protective shipping equipment).

(3) Q2199 BLU-109 is a 2000 lb. hard target penetrator bomb consisting of the all components (bomb body, energetics, electronics, Insensitive munitions coatings and protective shipping equipment).

(4) Q2160 BLU-117 is a 2000 lb. general purpose bomb consisting of the all components (bomb body, energetics, electronics, Insensitive munitions coatings and protective shipping equipment).

(5) Q2011 BSU-33 is a required inventory item necessary to complete end item configurations of the unguided Free Fall General Purpose Bomb.

(6) Q2193 The BLU-126 is a low collateral damage bomb consisting of the all components (bomb body, energetics, electronics, Insensitive munitions coatings and protective shipping equipment).

(7) Q2181 Laser Guided Bombs CCG: 2.1.6 Cost element for LGB CCGs created due to procurement agency transition from AFLCMC/EBH to NAVAIR. Cost Elements 2.1.4 and 2.1.5 are combined here within 2.1.6 as the USN qtys do not support a split award.

(8) Q2197 Bomb sub-components MXU-735, Lanyards, Lugs, M72; M73; M74 cables, FUZE accessory kits, energetics, protective shipping equipment, shipping pallets, and ULAG (Universal Low-profile Arming Generator), and miscellaneous hardware procured out of this are required for assembly of BLU-109, BLU-117, BLU-110, BLU-111, BLU-126, and BLU-137 bomb bodies into end item configuration weapons such as free fall unguided and guided bombs.

(9) Q2899 NRE JDAM QS-ER: Funding supports NAVSEA's Quick Strike Extended Range mine employment.

(10) Q2898 NRE BLU-137: The BLU-137 is a USAF advanced 2000 pound penetrator (A2K) design with improved survivability over the current BLU-109 GP Bomb penetrator. This cost element includes incorporation of Navy design requirements and production qualification testing and evaluation. Elements of qualification include, but not limited to, environmental testing, explosive safety, weapon system integration, and airworthiness certifications.

(11) Q2032 FMU-139 Electronic Fuze System: is an in-line Electronic Safe And Arm Device (ESAD) fuze system that offers selection of fuze arm and functional delay times from the cockpit and is used with general purpose and penetrator bomb cases. This capability aligns with the National Defense Strategy's requirement for a more lethal force. FY 2024 Baseline funding in the amount of $0.141M is provided in support of Non-Enduring Operations demand of FMU-139D/B Fuzes

(12) Q2896 FUZE Non Recurring: Universal Low Profile Arming Generator (ULAG) is hardware which powers the Fuze and interfacing with the BLU-137 warhead which requires production testing including: thermal coat adhesion, static ejection, a safe escape analysis, and USN qualification.

(13) FY 2024 Baseline funding in the amount of $0.008M is provided in support of Non-Enduring Operations demand of FMU-139D/B Fuzes.

(14) Q2850 Product Improvement Program (PIP) includes improvements to products and processes related to the production of GP Bombs, Precision guidance kits, and Fuze Systems. These product areas include, but are not limited to, bomb cases, shipping caps, bomb racks, set screws, thermal coat, energetics, bomb liner and tuff seal. Universal Armament Interface (UAI) updates incorporated in the fuze and guided bomb components. Also includes Insensitive Munitions (IM) compliance and improvements to products and processes related to the production of these products. Additionally, this cost element funds parts obsolescence, associated production acceptance and test, and ancillary support cost.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(15) Q2892 Non-Standard Items: Items procured out of this are Control Surfaces, Bands, Strakes, Aero Panels, Dunnage and Packaging required to support General Purpose Bomb All-Up-Round (AUR) configurations.

(16) Q2893 Remanufacture Components: funding is required for labor and materials associated with remanufacturing actions on GP Bombs and associated components.

(17) Q2894 Gauging: funding is required for materials and labor for calibration and recertification of gauges necessary to support General Purpose Bomb and Fuze production.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Q2191 BLU-111		2017	General Dynamics BLU-111 / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	May 2017	May 2020	1,096	5,765.84	Y		Jun 2014
1.1.1) Q2191 BLU-111	✓	2018	General Dynamics BLU-111 / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	May 2018	May 2021	4,500	5,884.16	Y		Jun 2014
1.1.1) Q2191 BLU-111		2023	General Dynamics BLU-111 / Garland, TX/MCAAP	C / FP	JMC Rock Island, IL	May 2023	May 2026	20	6,496.70	Y		Aug 2022
1.1.2) Q2192 BLU-110	✓	2018	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2018	Jul 2021	813	9,645.00	Y		Jun 2014
1.1.2) Q2192 BLU-110	✓	2019	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2019	Jul 2022	1,593	9,477.09	Y		Jun 2014
1.1.2) Q2192 BLU-110		2020	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2020	Jul 2023	164	9,666.63	Y		Jun 2014
1.1.2) Q2192 BLU-110	✓	2020	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2020	Jul 2023	145	9,666.63	Y		Jun 2014
1.1.2) Q2192 BLU-110		2021	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2021	Jul 2024	239	9,668.00	Y		Jun 2014
1.1.2) Q2192 BLU-110	✓	2021	General Dynamics BLU-110 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jul 2021	Jul 2024	194	9,668.00	Y		Jun 2014
1.1.3) Q2199 BLU-109		2015	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	Feb 2016	Sep 2019	77	25,995.00	Y		Dec 2014
1.1.3) Q2199 BLU-109	✓	2018	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	Feb 2018	Sep 2021	372	31,449.00	Y		Dec 2014
1.1.3) Q2199 BLU-109	✓	2019	National Forge BLU-109 / Irving, PA/MCAPP	C / FP	JMC Rock Island, IL	Feb 2019	Sep 2022	77	31,074.30	Y		Dec 2014
1.1.4) Q2160 BLU-117	✓	2019	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2019	Mar 2022	269	15,809.53	Y		Jun 2014
1.1.4) Q2160 BLU-117		2020	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2020	Mar 2023	60	25,020.01	Y		Jun 2014
1.1.4) Q2160 BLU-117	✓	2020	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2020	Mar 2023	15	25,020.01	Y		Jun 2014
1.1.4) Q2160 BLU-117		2022	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2022	Mar 2025	162	26,030.80	Y		Jun 2014
1.1.4) Q2160 BLU-117		2023	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2023	Mar 2026	66	26,551.41	Y		Aug 2022
1.1.4) Q2160 BLU-117		2024	General Dynamics BLU-117 / Garland TX/MCAAP	C / FP	JMC Rock Island, IL	Jun 2024	Mar 2027	55	27,082.43	Y		Aug 2022
1.1.5) Q2011 BSU-33 Con Fin		2019	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	JMC Rock Island, IL	Feb 2019	Feb 2020	6,500	233.93	Y		Sep 2015
1.1.5) Q2011 BSU-33 Con Fin		2020	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	JMC Rock Island, IL	Feb 2020	Feb 2021	6,500	237.44	Y		Sep 2015

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.5) Q2011 BSU-33 Con Fin		2021	CAPCO, INC / GRAND JUNCTION, CO	C / IDIQ	JMC Rock Island, IL	Feb 2021	Feb 2022	4,000	252.78	Y		Sep 2015
1.1.5) Q2011 BSU-33 Con Fin		2024	CAPCO, INC / GRAND JUNCTION, CO	C / TBD	JMC Rock Island, IL	Apr 2024	Apr 2025	1,366	268.26	Y		Apr 2022
1.1.6) Q2193 BLU-126		2019	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2019	May 2022	525	9,893.33	Y		Jun 2014
1.1.6) Q2193 BLU-126	✓	2019	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2019	May 2022	565	9,893.33	Y		Jun 2014
1.1.6) Q2193 BLU-126		2020	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2020	May 2023	49	10,079.36	Y		Jun 2014
1.1.6) Q2193 BLU-126	✓	2020	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2020	May 2023	388	10,079.36	Y		Jun 2014
1.1.6) Q2193 BLU-126		2021	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2021	May 2024	54	10,272.86	Y		Jun 2014
1.1.6) Q2193 BLU-126	✓	2021	General Dyanmics / JMC Rock Island, IL	C / FP	JMC Rock Island, IL	May 2021	May 2024	15	10,272.86	Y		Jun 2014
2.1.1) Q2230 GBU-49 Precision Kit		2018	Raytheon Missile Systems / Albuquerque, New Mexico	C / FFP	NAVAIR, Pax River, MD	May 2018	Sep 2019	300	44,590.96	Y		May 2017
2.1.1) Q2230 GBU-49 Precision Kit		2019	Raytheon Missile Systems / Albuquerque, New Mexico	C / FFP	NAVAIR, Lakehurst, NJ	Aug 2019	May 2021	59	45,635.00	Y		May 2017
2.1.2) Q2200 Laser Capability DSU-38		2016	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2016	Mar 2017	1,016	13,422.00	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38		2017	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2017	Mar 2018	1,059	13,663.59	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38		2018	The Boeing Company DSU-38 / St. Charles, MO	SS / IDDQ	NAVAIR, Pax River, MD	May 2018	May 2019	521	13,923.19	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38	✓	2018	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	May 2018	May 2019	754	13,923.19	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38	✓	2019	The Boeing Company DSU-38 / St. Charles, MO	SS / IDDQ	NAVAIR, Pax River, MD	May 2019	May 2020	276	11,663.00	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38	✓	2020	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	May 2020	May 2021	104	14,486.00	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38		2021	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Lakehurst, NJ	Sep 2021	Sep 2022	27	14,775.27	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38	✓	2021	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Lakehurst, NJ	Sep 2021	Sep 2022	71	14,775.72	Y		Jan 2015
2.1.2) Q2200 Laser Capability DSU-38		2022	The Boeing Company DSU-38 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2022	Mar 2023	39	17,142.00	Y		Jan 2015
2.1.3) Q2220 Laser Capability DSU-42(†)		2019	The Boeing Company DSU-42 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	May 2019	May 2021	538	17,489.00	Y		Aug 2017

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.3) Q2220 Laser Capability DSU-42(†)	✓	2019	The Boeing Company DSU-42 / St. Charles, MO	SS / IDIQ	NAVAIR, Lakehurst, NJ	May 2019	May 2021	212	17,489.00	Y		Aug 2017
2.1.3) Q2220 Laser Capability DSU-42(†)		2020	The Boeing Company DSU-42 / St. Charles, MO	SS / IDIQ	NAVAIR, Pax River, MD	Sep 2020	Sep 2022	411	16,979.32	Y		Aug 2017
2.1.3) Q2220 Laser Capability DSU-42(†)		2024	The Boeing Company DSU-42 / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	May 2024	May 2026	317	18,163.72	Y		Jun 2022
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)		2018	Raytheon Missile Systems LGB (Raytheon) / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2018	Mar 2020	129	8,674.00	Y		Jan 2014
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)	✓	2018	Raytheon Missile Systems LGB (Raytheon) / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2018	Mar 2020	117	8,674.00	Y		Jan 2014
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)	✓	2020	Raytheon Missile Systems LGB (Raytheon) / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2020	Mar 2022	676	9,024.42	Y		Apr 2020
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)		2021	Raytheon Missile Systems LGB (Raytheon) / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	250	9,204.90	Y		Apr 2020
2.1.4) Q2181 Laser Guided Bombs CCG (Raytheon)	✓	2021	Raytheon Missile Systems LGB (Raytheon) / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	4	9,204.90	Y		Apr 2020
2.1.5) Q2181 Laser Guided Bombs CCG (Lockheed)		2018	Lockheed Martin Corporation LGB / Archbald, PA	C / IDIQ	Hill AFB, UT	Jul 2018	Mar 2020	129	8,674.00	Y		Jan 2014
2.1.5) Q2181 Laser Guided Bombs CCG (Lockheed)	✓	2020	Lockheed Martin Corporation LGB / Archbald, PA	C / IDDQ	Hill AFB, UT	Jul 2020	Mar 2022	676	9,024.42	Y		Apr 2020
2.1.5) Q2181 Laser Guided Bombs CCG (Lockheed)		2021	Lockheed Martin Corporation LGB / Archbald, PA	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	250	9,204.90	Y		Apr 2020
2.1.5) Q2181 Laser Guided Bombs CCG (Lockheed)	✓	2021	Lockheed Martin Corporation LGB / Archbald, PA	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	4	9,204.90	Y		Apr 2020
2.1.6) Q2181 Laser Guided Bombs CCG(†)		2023 (18)	TBD (19) / TBD	C / TBD	NAVAIR, Pax River, MD	Jul 2023	Jul 2024	612	9,576.78	Y		Nov 2022
2.1.6) Q2181 Laser Guided Bombs CCG(†)		2024	TBD (19) / TBD	C / TBD	NAVAIR, Pax River, MD	Mar 2024	Mar 2025	1,095	9,768.32	Y		Nov 2022
2.1.7) Q2187 Laser Guided Bombs AFG(†)	✓	2020	Raytheon Missile Systems LGB (Raytheon)AFG / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2020	Mar 2022	1,352	4,893.00	Y		Apr 2020
2.1.7) Q2187 Laser Guided Bombs AFG(†)		2021	Raytheon Missile Systems LGB (Raytheon)AFG / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	500	4,990.00	Y		Apr 2020
2.1.7) Q2187 Laser Guided Bombs AFG(†)	✓	2021	Raytheon Missile Systems LGB (Raytheon)AFG / Tucson, AZ	C / IDIQ	Hill AFB, UT	Jul 2021	Mar 2023	8	4,990.00	Y		Apr 2020
2.1.7) Q2187 Laser Guided Bombs AFG(†)		2023 (20)	TBD (21) / TBD	C / TBD	NAVAIR, Pax River, MD	Jul 2023	Jul 2024	612	5,190.00	Y		Nov 2022

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.7) Q2187 Laser Guided Bombs AFG(†)		2024	TBD (21) / TBD	C / TBD	NAVAIR, Pax River, MD	Mar 2024	Mar 2025	1,095	5,293.80	Y		Nov 2022
3.1.1) Q2032 FMU-139 Electronic Fuze System(†)		2021	NGDS (22) / ROCKET CENTER, WV	SS / FFP	NAVAIR, Lakehurst, NJ	May 2021	May 2022	6,840	2,249.63	Y		Mar 2015
3.1.1) Q2032 FMU-139 Electronic Fuze System(†)	✓	2021	NGDS (22) / ROCKET CENTER, WV	SS / FFP	NAVAIR, Lakehurst, NJNAVAIR, Lakehurst, NJ	May 2021	May 2022	681	2,249.63	Y		Mar 2015
3.1.1) Q2032 FMU-139 Electronic Fuze System(†)		2022	NGDS (22) / ROCKET CENTER, WV	SS / FFP	NAVAIR, Lakehurst, NJNAVAIR, Lakehurst, NJ	May 2022	May 2023	11,475	2,313.11	Y		Mar 2015
3.1.1) Q2032 FMU-139 Electronic Fuze System(†)		2023	NGDS (22) / ROCKET CENTER, WV	SS / FFP	NAVAIR, Lakehurst, NJ	May 2023	May 2024	3,838	2,340.51	Y		Mar 2015
3.1.1) Q2032 FMU-139 Electronic Fuze System(†)		2024	NGDS (22) / ROCKET CENTER, WV	SS / FFP	NAVAIR, Lakehurst, NJ	May 2024	May 2025	4,487	2,387.32	Y		Mar 2015

(†) indicates the presence of a P-21

Footnotes:

(18) USN taking taking over procurement of Laser Guided Bombs, from the USAF. Will not have sufficient quantities to carry two contractors will be down selecting to one vender.

(19) New contract, USN taking over procurement of Laser Guided Bombs from USAF.

(20) New contract, USN taking over procurement of Laser Guided Bombs from USAF.

(21) New contract, USN taking over procurement of Laser Guided Bombs from USAF.

(22) Annual Production Rates are per ordering period, and include USN, USAF, FMS order.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2016												Fiscal Year 2017												BALANCE
							Calendar Year 2016												Calendar Year 2017												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2015	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.3) Q2220 Laser Capability DSU-42																															
	1	2019	NAVY	.538	.000	.538																									.538
✓	1	2019	NAVY	.212	.000	.212																									.212
	1	2020	NAVY	.411	.000	.411																									.411
	1	2024	NAVY	.317	.000	.317																									.317
2.1.6) Q2181 Laser Guided Bombs CCG (7)																															
	2	2023	NAVY	.612	.000	.612																									.612
	2	2024	NAVY	1.095	.000	1.095																									1.095
2.1.7) Q2187 Laser Guided Bombs AFG																															
Prior Years Deliveries: 5339																															
✓	3	2020	NAVY	1.352	.000	1.352																									1.352
	3	2021	NAVY	.500	.000	.500																									.500
✓	3	2021	NAVY	.008	.000	.008																									.008
	4	2023	NAVY	.612	.000	.612																									.612
	4	2024	NAVY	1.095	.000	1.095																									1.095
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																															
Prior Years Deliveries: 72975																															
	5	2021	NAVY	6.840	.000	6.840																									6.840
✓	5	2021	NAVY	.681	.000	.681																									.681
	5	2022	NAVY	11.475	.000	11.475																									11.475
	5	2023	NAVY	3.838 (23)	.000	3.838																									3.838
	5	2024	NAVY	4.487	.000	4.487																									4.487
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0145 / General Purpose Bombs	Item Number / Title [DODIC]: 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2018												Fiscal Year 2019												BALANCE
							Calendar Year 2018												Calendar Year 2019												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.3) Q2220 Laser Capability DSU-42																															
	1	2019	NAVY	.538	.000	.538																				A -	-	-	-	-	.538
✓	1	2019	NAVY	.212	.000	.212																				A -	-	-	-	-	.212
	1	2020	NAVY	.411	.000	.411																									.411
	1	2024	NAVY	.317	.000	.317																									.317
2.1.6) Q2181 Laser Guided Bombs CCG (7)																															
	2	2023	NAVY	.612	.000	.612																									.612
	2	2024	NAVY	1.095	.000	1.095																									1.095
2.1.7) Q2187 Laser Guided Bombs AFG																															
Prior Years Deliveries: 5339																															
✓	3	2020	NAVY	1.352	.000	1.352																									1.352
	3	2021	NAVY	.500	.000	.500																									.500
✓	3	2021	NAVY	.008	.000	.008																									.008
	4	2023	NAVY	.612	.000	.612																									.612
	4	2024	NAVY	1.095	.000	1.095																									1.095
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																															
Prior Years Deliveries: 72975																															
	5	2021	NAVY	6.840	.000	6.840																									6.840
✓	5	2021	NAVY	.681	.000	.681																									.681
	5	2022	NAVY	11.475	.000	11.475																									11.475
	5	2023	NAVY	3.838 (23)	.000	3.838																									3.838
	5	2024	NAVY	4.487	.000	4.487																									4.487
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.3) Q2220 Laser Capability DSU-42																															
	1	2019	NAVY	.538	.000	.538	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.044	.044	.045	.045	.045	.315
✓	1	2019	NAVY	.212	.000	.212	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.017	.017	.017	.017	.018	.126
	1	2020	NAVY	.411	.000	.411												A -	-	-	-	-	-	-	-	-	-	-	-	-	.411
	1	2024	NAVY	.317	.000	.317																									.317
2.1.6) Q2181 Laser Guided Bombs CCG (7)																															
	2	2023	NAVY	.612	.000	.612																									.612
	2	2024	NAVY	1.095	.000	1.095																									1.095
2.1.7) Q2187 Laser Guided Bombs AFG																															
Prior Years Deliveries: 5339																															
✓	3	2020	NAVY	1.352	.000	1.352										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.352
	3	2021	NAVY	.500	.000	.500																						A -	-	-	.500
✓	3	2021	NAVY	.008	.000	.008																						A -	-	-	.008
	4	2023	NAVY	.612	.000	.612																									.612
	4	2024	NAVY	1.095	.000	1.095																									1.095
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																															
Prior Years Deliveries: 72975																															
	5	2021	NAVY	6.840	.000	6.840																				A -	-	-	-	-	6.840
✓	5	2021	NAVY	.681	.000	.681																				A -	-	-	-	-	.681
	5	2022	NAVY	11.475	.000	11.475																									11.475
	5	2023	NAVY	3.838 (23)	.000	3.838																									3.838
	5	2024	NAVY	4.487	.000	4.487																									4.487
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1 | **P-1 Line Item Number / Title:** 0145 / General Purpose Bombs | **Item Number / Title [DODIC]:** 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2022													Fiscal Year 2023												BALANCE
							Calendar Year 2022																Calendar Year 2023									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
2.1.3) Q2220 Laser Capability DSU-42																																
	1	2019	NAVY	.538	.223	.315	.045	.045	.045	.045	.045	.045	.045																			.000
✓	1	2019	NAVY	.212	.086	.126	.018	.018	.018	.018	.018	.018	.018																			.000
	1	2020	NAVY	.411	.000	.411	-	-	-	-	-	-	-	-	-	-	-	.034	.034	.034	.034	.034	.034	.034	.034	.034	.035	.035	.035			.000
	1	2024	NAVY	.317	.000	.317																										.317
2.1.6) Q2181 Laser Guided Bombs CCG (7)																																
	2	2023	NAVY	.612	.000	.612																						A -	-	-		.612
	2	2024	NAVY	1.095	.000	1.095																										1.095
2.1.7) Q2187 Laser Guided Bombs AFG																																
Prior Years Deliveries: 5339																																
✓	3	2020	NAVY	1.352	.000	1.352	-	-	-	-	-	.112	.112	.112	.112	.113	.113	.113	.113	.113	.113	.113	.113									.000
	3	2021	NAVY	.500	.000	.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.041	.041	.041	.041	.042	.042	.042	.210
✓	3	2021	NAVY	.008	.000	.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.001	.001	.001	.001	.001	.001	.001	.001
	4	2023	NAVY	.612	.000	.612																						A -	-	-		.612
	4	2024	NAVY	1.095	.000	1.095																										1.095
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																																
Prior Years Deliveries: 72975																																
	5	2021	NAVY	6.840	.000	6.840	-	-	-	-	-	-	-	.570	.570	.570	.570	.570	.570	.570	.570	.570	.570	.570	.570							.000
✓	5	2021	NAVY	.681	.000	.681	-	-	-	-	-	-	-	.057	.057	.057	.057	.057	.057	.057	.057	.057	.056	.056	.056							.000
	5	2022	NAVY	11.475	.000	11.475								A -	-	-	-	-	-	-	-	-	-	-	-	.956	.956	.956	.956	.956	6.695
	5	2023	NAVY	3.838 (23)	.000	3.838																				A -	-	-	-	-	3.838
	5	2024	NAVY	4.487	.000	4.487																									4.487
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.3) Q2220 Laser Capability DSU-42																															
	1	2019	NAVY	.538	.538	.000																									.000
✓	1	2019	NAVY	.212	.212	.000																									.000
	1	2020	NAVY	.411	.411	.000																									.000
	1	2024	NAVY	.317	.000	.317								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.317
2.1.6) Q2181 Laser Guided Bombs CCG (7)																															
	2	2023	NAVY	.612	.000	.612	-	-	-	-	-	-	-	-	-	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051				.000
	2	2024	NAVY	1.095	.000	1.095						A -	-	-	-	-	-	-	-	-	-	-	-	.091	.091	.091	.091	.091	.091	.091	.458
2.1.7) Q2187 Laser Guided Bombs AFG																															
Prior Years Deliveries: 5339																															
✓	3	2020	NAVY	1.352	1.352	.000																									.000
	3	2021	NAVY	.500	.290	.210	.042	.042	.042	.042	.042																				.000
✓	3	2021	NAVY	.008	.007	.001	.001																								.000
	4	2023	NAVY	.612	.000	.612	-	-	-	-	-	-	-	-	-	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051	.051				.000
	4	2024	NAVY	1.095	.000	1.095						A -	-	-	-	-	-	-	-	-	-	-	-	.091	.091	.091	.091	.091	.091	.091	.458
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																															
Prior Years Deliveries: 72975																															
	5	2021	NAVY	6.840	6.840	.000																									.000
✓	5	2021	NAVY	.681	.681	.000																									.000
	5	2022	NAVY	11.475	4.780	6.695	.956	.956	.956	.956	.957	.957	.957																		.000
	5	2023	NAVY	3.838 (23)	.000	3.838	-	-	-	-	-	-	-	.319	.319	.320	.320	.320	.320	.320	.320	.320	.320	.320	.320						.000
	5	2024	NAVY	4.487	.000	4.487								A -	-	-	-	-	-	-	-	-	-	-	-	.373	.374	.374	.374	.374	2.618
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026															Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.3) Q2220 Laser Capability DSU-42																															
	1	2019	NAVY	.538	.538	.000																									.000
✓	1	2019	NAVY	.212	.212	.000																									.000
	1	2020	NAVY	.411	.411	.000																									.000
	1	2024	NAVY	.317	.000	.317	-	-	-	-	-	-	-	.026	.026	.026	.026	.026	.026	.026	.027	.027	.027	.027	.027						.000
2.1.6) Q2181 Laser Guided Bombs CCG (7)																															
	2	2023	NAVY	.612	.612	.000																									.000
	2	2024	NAVY	1.095	.637	.458	.091	.091	.092	.092	.092																				.000
2.1.7) Q2187 Laser Guided Bombs AFG																															
Prior Years Deliveries: 5339																															
✓	3	2020	NAVY	1.352	1.352	.000																									.000
	3	2021	NAVY	.500	.500	.000																									.000
✓	3	2021	NAVY	.008	.008	.000																									.000
	4	2023	NAVY	.612	.612	.000																									.000
	4	2024	NAVY	1.095	.637	.458	.091	.091	.092	.092	.092																				.000
3.1.1) Q2032 FMU-139 Electronic Fuze System (11)																															
Prior Years Deliveries: 72975																															
	5	2021	NAVY	6.840	6.840	.000																									.000
✓	5	2021	NAVY	.681	.681	.000																									.000
	5	2022	NAVY	11.475	11.475	.000																									.000
	5	2023	NAVY	3.838 (23)	3.838	.000																									.000
	5	2024	NAVY	4.487	1.869	2.618	.374	.374	.374	.374	.374	.374	.374																		.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0145 / General Purpose Bombs	**Item Number / Title [DODIC]:** 1 / GP Bomb

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	The Boeing Company DSU-42 - St. Charles, MO	500	750	750	0	8	24	32	0	11	24	35
2	TBD (19) - TBD			TBD	0	10	12	22	0	6	12	18
3	Raytheon Missile Systems LGB (Raytheon)AFG - Tucson, AZ	1,800	4,800	14,400	0	10	20	30	0	10	20	30
4	TBD (21) - TBD			TBD	0	10	12	22	0	6	12	18
5	NGDS (22) - ROCKET CENTER, WV	30,000	50,000	60,000	0	8	12	20	0	8	12	20

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:
(19) New contract, USN taking over procurement of Laser Guided Bombs from USAF.
(21) New contract, USN taking over procurement of Laser Guided Bombs from USAF.
(22) Annual Production Rates are per ordering period, and include USN, USAF, FMS order.
(23) 0

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: 503		

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	23,050	944	3,037	1,464	-	1,464	1,621	1,577	1,598	1,656	Continuing	Continuing
Gross/Weapon System Cost *($ in Millions)*	501.134	48.526	76.688	73.689	0.000	73.689	75.497	74.199	76.615	80.862	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	501.134	48.526	76.688	73.689	0.000	73.689	75.497	74.199	76.615	80.862	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**501.134**	**48.526**	**76.688**	**73.689**	**0.000**	**73.689**	**75.497**	**74.199**	**76.615**	**80.862**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	0.00	0.00	0.00	0.00	-	0.00	0.00	0.00	0.00	0.00	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Joint Direct Attack Munition (JDAM) program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs (BLU-111, BLU-117, BLU-110, BLU-109, BLU-126 and BLU-137) by integrating the bombs with a field installed guidance kit using a Global Positioning System-aided Inertial Navigation System (GPS/INS). JDAM provides an accurate, adverse weather capability. JDAM is integrated with the B-52H, B-2A, B-1B, F-16 (all variants), F/A-18A+/C/D/E/F, F-15E, AV-8B, A-10C, F-22A, MQ-9 and F-35 aircraft.

JDAM guides the bomb with movable surfaces that steer the bomb to a target based on a Global Positioning Satellite (GPS) coordinate. There is also a family of weapons which combine GPS and laser capabilities to provide a Dual Mode weapon (procured under 0145 General Purpose Bombs): Laser Joint Direct Attack Munition (LJDAM). The component that is added to the 500 lb. and 2,000 lb. JDAM to provide the Laser capability is the DSU-38, DSU-40 and DSU-42 respectively. The DSU-38, DSU-40, and DSU-42 Precision Laser Guidance Set (PLGS) contains a Semi-Active Laser to engage moving and stationary targets and an adjustable proximity sensor to provide an airburst capability. LJDAM is the material solution for the Direct Attack Moving Target Capability (DAMTC).

Pursuant to section 2308 of Title 10, U.S. Code, this program will seek cost efficiencies where available through production lot negotiations.

Funding may be used to address production Diminishing Manufacturing Sources Material Shortages (DMSMS) and obsolescence issues through studies, bridge buys, life of type buys, supplier/parts replacement, to include electronic components used commercially and in short supply; and qualification activities to preserve future production capabilities and capacities.

Funding may be used to increase production capacity in order to meet warfighter demand.

The quantity being procured in FY 2023 is 1,722 and is based on the updated unit price in FY 2023.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 503

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-5	1 / JT Direct Attack Munition (JDAM) Tail Kit	P-5a, P-21			23,050 / 501.134	944 / 48.526	3,037 / 76.688	1,464 / 73.689	- / 0.000	1,464 / 73.689
P-40	**Total Gross/Weapon System Cost**				**23,050 / 501.134**	**944 / 48.526**	**3,037 / 76.688**	**1,464 / 73.689**	**- / 0.000**	**1,464 / 73.689**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is required to meet Naval Munitions Requirements Process (NMRP) inventory objectives.
FY 2024 baseline funding in the amount of $1.747M is provided in support of Non-Enduring Operations.

OOC:
FY 2022 includes $2.951M in OOC execution.
FY 2023 includes $0.694M in OOC enacted budget.
FY 2024 includes $1.747M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	23,050	944	3,037	1,464	-	1,464
Gross/Weapon System Cost *($ in Millions)*	501.134	48.526	76.688	73.689	0.000	73.689
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	501.134	48.526	76.688	73.689	0.000	73.689
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**501.134**	**48.526**	**76.688**	**73.689**	**0.000**	**73.689**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	21,741.17	51,404.66	25,251.23	50,334.02	-	50,334.02

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware Cost																		
Recurring Cost																		
1.1.1) JD500-JDAM Tail Kit(†) (1)	21,311.54	23,050	491.231	41,714.68	944	39.379	42,548.97	1,722	73.269	43,399.95	1,464	63.538	-	-	-	43,399.95	1,464	63.538
Subtotal: Recurring Cost	-	-	*491.231*	-	-	*39.379*	-	-	*73.269*	-	-	*63.538*	-	-	-	-	-	*63.538*
Subtotal: Hardware Cost	**-**	**-**	***491.231***	**-**	**-**	***39.379***	**-**	**-**	***73.269***	**-**	**-**	***63.538***	**-**	**-**	**-**	**-**	**-**	***63.538***
Support Cost																		
2.1) JD800-Support - Integrated Logistics	-	-	0.803	-	-	0.267	-	-	0.272	-	-	0.277	-	-	-	-	-	0.277
2.2) JD830-Support - Production Engineering (2)	-	-	4.787	-	-	1.130	-	-	1.169	-	-	1.237	-	-	-	-	-	1.237
2.3) JD850 Support - Miscellanous Support (3)	-	-	3.688	-	-	6.513	-	-	1.357	-	-	8.637	-	-	-	-	-	8.637
2.4) JD870-Support - JDAM QS-ER	-	-	0.625	-	-	1.237	-	-	0.621	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost	**-**	**-**	***9.903***	**-**	**-**	***9.147***	**-**	**-**	***3.419***	**-**	**-**	***10.151***	**-**	**-**	**-**	**-**	**-**	***10.151***
Gross/Weapon System Cost	**21,741.17**	**23,050**	**501.134**	**51,404.66**	**944**	**48.526**	**25,251.23**	**3,037**	**76.688**	**50,334.02**	**1,464**	**73.689**	**-**	**-**	**0.000**	**50,334.02**	**1,464**	**73.689**

(†) indicates the presence of a P-5a

Footnotes:

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(1) Generally, JD500-JDAM Tail Kit Unit prices may vary outside the allowable year to year inflation based on the quantities and combinations of variants being procured each year. There are four tail kit variants that are procured and unit costs are derived from a simple average of the four variants (non-weighted). Program office procured Strategic Anti-Jam Beam Forming Receiver-Y Code (SABR-Y) kits starting in FY 2022. FY 2022 Unit price updated for Lot 26 actuals which reflects first procurement of GPS technology insertion adding SABR-Y. SABR-Y provides enhanced GPS-denied environment guidance systems, providing significantly improved capability to the Fleet. FY 2023 quantities in the P-40 are based on PB23/IGAS unit costs. The P-5 FY 2023 quantities have been updated to reflect SABR-Y escalated unit costs based on FY 2022 contracted prices. FY 2024 and FY 2025 will be a SABR-M V3 Field Programmable Gate Array variant procurement. All production units procured FY 2026 and out will be procured with M-Code upgraded GPS receiver with Application Specific Integrated Circuit (ASIC) V4. SABR-Y unit costs is the basis of M-code receiver estimates. The SABR-M will leverage from SABR-Y, integrating advanced digital anti-jamming technology for improved performance and operational reliability in highly contested GPS-denied environments. FY 2024 Baseline funding in the amount of $1.660M is provided in support of Non-Enduring Operations demand of JDAM Tail Kits.

(2) FY 2024 Baseline funding in the amount of $0.087M is provided in support of Non-Enduring Operations demand of JDAM Tail Kits.

(3) Funds activities related to the integration of Global Positioning System (GPS) M-Code per DoD mandate, which impacts overall system to include computer processor. This cost element includes parts obsolescence, associated production acceptance and test, ancillary support cost and product improvement. Miscellaneous Support will be used for integration of the ASIC and M-Code. Associated systems test and evaluation cost for block software and M-code integration, and to procure the next generation High Bandwidth Compact Telemetry kits (HCTM). FY 2024 Miscellaneous Support increases more than inflation due to integration efforts of SABR-M. Leveraging the SABR-Y follow-on requirement, FY 2024 commences planned contracted integration efforts to include Production Qualification and Acceptance testing (Government Lab testing (S/W and H/W), ground test, & flight test) of SABR-M. SABR-Y / M delivers advanced digital anti-jamming technology for improved performance and operational reliability in highly contested GPS-denied environments.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0148 / JT Direct Attack Munition (JDAM)	Item Number / Title [DODIC]: 1 / JT Direct Attack Munition (JDAM) Tail Kit

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) JD500-JDAM Tail Kit(†)		2020	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Mar 2020	Apr 2021	2,724	22,253.36	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)	✓	2020	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Mar 2020	Apr 2021	504	23,824.00	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)		2021	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Sep 2021	Feb 2023	2,664	23,499.45	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)	✓	2021	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Sep 2021	Feb 2023	607	23,499.45	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)		2022	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Feb 2022	Mar 2023	944	41,714.68	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)		2023	The Boeing Company / St. Charles, MO	SS / FFP	AFLCMC Hill AFB	Feb 2023	Mar 2024	1,722	42,548.97	Y		Aug 2017
1.1.1) JD500-JDAM Tail Kit(†)		2024	The Boeing Company / St. Charles, MO	SS / FPIF	AFLCMC Hill AFB	Feb 2024	Mar 2025	1,464	43,399.95	Y		May 2023

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit

Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) JD500-JDAM Tail Kit [1]																															
Prior Years Deliveries: 16551																															
	1	2020	NAVY	2,724	0	2,724						A -	-	-	-	-	-	-	-	-	-	-	-	-	227	227	227	227	227	227	1,362
✓	1	2020	NAVY	504	0	504						A -	-	-	-	-	-	-	-	-	-	-	-	-	42	42	42	42	42	42	252
	1	2021	NAVY	2,664	0	2,664																								A -	2,664
✓	1	2021	NAVY	607	0	607																								A -	607
	1	2022	NAVY	944 [4]	0	944																									944
	1	2023	NAVY	1,722	0	1,722																									1,722
	1	2024	NAVY	1,464	0	1,464																									1,464
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit

Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) JD500-JDAM Tail Kit [1]																															
Prior Years Deliveries: 16551																															
	1	2020	NAVY	2,724	1,362	1,362	227	227	227	227	227	227																			0
✓	1	2020	NAVY	504	252	252	42	42	42	42	42	42																			0
	1	2021	NAVY	2,664	0	2,664	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	222	222	222	222	222	222	222	222	888
✓	1	2021	NAVY	607	0	607	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	50	50	50	51	51	51	204
	1	2022	NAVY	944 [4]	0	944					A -	-	-	-	-	-	-	-	-	-	-	-	-	44	44	44	44	44	44	44	636
	1	2023	NAVY	1,722	0	1,722																	A -	-	-	-	-	-	-	-	1,722
	1	2024	NAVY	1,464	0	1,464																									1,464
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit

Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) JD500-JDAM Tail Kit [1]																															
Prior Years Deliveries: 16551																															
	1	2020	NAVY	2,724	2,724	0																									0
✓	1	2020	NAVY	504	504	0																									0
	1	2021	NAVY	2,664	1,776	888	222	222	222	222																					0
✓	1	2021	NAVY	607	403	204	51	51	51	51																					0
	1	2022	NAVY	944 [4]	308	636	44	45	45	45	45	34	34	34	34	34	34	34	34	35	35	35	35								0
	1	2023	NAVY	1,722	0	1,722	-	-	-	-	-	143	143	143	143	143	143	144	144	144	144	144	144								0
	1	2024	NAVY	1,464	0	1,464					A -	-	-	-	-	-	-	-	-	-	-	-	-	122	122	122	122	122	122	122	610
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit

Cost Elements (Units in Each)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) JD500-JDAM Tail Kit [1]																															
Prior Years Deliveries: 16551																															
	1	2020	NAVY	2,724	2,724	0																									0
✓	1	2020	NAVY	504	504	0																									0
	1	2021	NAVY	2,664	2,664	0																									0
✓	1	2021	NAVY	607	607	0																									0
	1	2022	NAVY	944 [4]	944	0																									0
	1	2023	NAVY	1,722	1,722	0																									0
	1	2024	NAVY	1,464	854	610	122	122	122	122	122																				0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0148 / JT Direct Attack Munition (JDAM)	**Item Number / Title [DODIC]:** 1 / JT Direct Attack Munition (JDAM) Tail Kit

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	The Boeing Company - St. Charles, MO	1,500	18,900	20,000	0	5	13	18	0	5	13	18

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:
(4) Deliveries extend beyond 12 months to account for the additional quantities delivering with Lot 27 procurement. Due to limited funding received at time of award for Lot 26, JDAM awarded all funding that was available to the program.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0204162N, 0206138M

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,435.509	75.383	70.005	67.423	0.000	67.423	58.284	59.322	61.505	63.656	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,435.509	75.383	70.005	67.423	0.000	67.423	58.284	59.322	61.505	63.656	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,435.509**	**75.383**	**70.005**	**67.423**	**0.000**	**67.423**	**58.284**	**59.322**	**61.505**	**63.656**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Combat and training inventory requirements of rocket and rocket components establish the Total Munitions Requirement (TMR) in accordance with the Naval Munitions Requirements process (NMRP). Production is for complete units/operationally configured units to satisfy the requirement of applicable specifications of Airborne Rockets, All types. Airborne Rockets supports both Navy and Marine Corps.

The 2.75-inch rocket motor variant employed by both rotary and fixed wing platforms in the Close Air Support (CAS), Military Operations in Urban Terrain (MOUT), and counter-Fast Attack Craft/Fast Inshore Attack Craft (counter-FAC/FIAC) mission areas. The 2.75-inch rocket configured with Advanced Precision Kill Weapon System (APKWS) enables a resilient and precise weapon in support of close combat lethality in complex terrain. The program is divesting of the 5-inch product line.

The variety of warheads enable fleet users to maintain operational flexibility, better target-mission matching for specific applications and effects, and permit logistic agility. Warheads include the Mk-152 Insensitive Munitions (IM) compliant warhead for shipboard operations with APKWS guidance sections and the M282 Multi-Purpose Penetrator (MPP)warhead. Inert warheads are used extensively when range restrictions preclude live applications.

The Smokey Sam Simulator System is a pyrotechnic visual cueing device primarily utilized in aircrew training to mimic a Surface to Air Missile threat. The system is currently qualified for land and at sea use.

Rocket Launchers provide guided and unguided rocket launch capability for 2.75 Inch Rockets including the LAU-61 G/A Digital Rocket Launcher (DRL), LAU-61 C/A, and LAU-68 F/A.

Advanced Precision Kill Weapon System (APKWS) is a low-cost Semi Active Laser (SAL) guidance section to enhance the precision of 2.75-inch unguided rockets. APKWS is a small, lightweight, mid-body guidance section that can be assembled with existing unguided rocket components and can be fired from 2.75-inch rocket launchers. Compared to unguided rockets, APKWS sustains Joint Force military advantage by offering greater precision, increased stored kills per aircraft sortie, reduces collateral damage, improves effectiveness against soft and lightly armored targets, and enhances close combat lethality and crew survivability through increased standoff ranges.

A variety of containers are required to support shipping, handling and storage of all up round rockets and rocket components. The program re-manufactures existing containers and procures new containers as needed.

Miscellaneous Items provides for procurement of various rocket components not to exceed a total cost of $0.500M per year per component.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** 0204162N, 0206138M
Line Item MDAP/MAIS Code: N/A		

Product Improvement (PIP) provides for rapid iterative modifications and upgrades to products within Airborne Rockets, All types. Efforts include configuration changes involving production, engineering, manufacturing, installation and testing that increases system or combat effectiveness to extend the useful military life of an item, and/or to improve the item within the current performance envelope.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** 0204162N, 0206138M

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Airborne Rockets, All Types	P-5a, P-21			- / 1,435.509	- / 75.383	- / 70.005	- / 67.423	- / -	- / 67.423
P-40	**Total Gross/Weapon System Cost**				**- / 1,435.509**	**- / 75.383**	**- / 70.005**	**- / 67.423**	**- / 0.000**	**- / 67.423**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is required to procure 2.75-inch rocket components - to include rocket motors, warheads, Advanced Precision Kill Weapon System (APKWS) guidance sections, rocket launchers and containers - to enable low-cost area suppression as well as precision engagements from US Marine Corps (USMC) H-1, AV-8B, and F/A-18A-D aircraft in low collateral damage Close Air Support (CAS) operations, and from US Navy (USN) H-60 aircraft to neutralize Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC) threats.

In addition, FY 2024 Funding is required to address product improvements needed for obsolete components designed and produced over 40 years ago as well as the production engineering and integrated logistics support efforts needed for all 2.75-inch rocket components. Airborne Rockets product improvement efforts are required to reduce production cost, extend component life and to improve Combat effectiveness on pace with platform Combat system improvements. Specific efforts in FY 2024 include but are not limited to launcher detent design change, and M648 All Up Round container multi-warhead configuration development.

Baseline funding in the amount of $10.972M is provided in support of Non-Enduring Operations for container procurements.

OOC:
FY 2022 includes $11.117M in OOC execution.
FY 2023 includes $9.877M in OOC enacted budget.
FY 2024 includes $10.972M for the OOC budget request.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types	Aggregated Items Title: Airborne Rockets, All Types

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Rockets Hardware																				
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)	A		823.29	528,532	435.135	786.41	45,123	35.485	726.00	41,386	30.046	2,205.55	13,301	29.336	-	-	-	2,205.55	13,301	29.336
1.2) (Q5041) MK 71 ROCKET MOTOR	A		-	-	56.296	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) (Q5042) MK 66 ROCKET MOTOR (MOD 6)	A		-	-	0.585	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) (Q5200) SMOKEY SAM (2)(†)	A		336.31	17,805	5.988	-	-	-	188.66	2,000	0.377	334.00	3,100	1.035	-	-	-	334.00	3,100	1.035
Subtotal: 1) Rockets Hardware			**-**	**-**	***498.004***	**-**	**-**	***35.485***	**-**	**-**	***30.423***	**-**	**-**	***30.371***	**-**	**-**	**-**	**-**	**-**	***30.371***
2) Rocket Warheads																				
2.1) (Q5030) WTU1/ B INERT WARHEAD (3)(†)	A		121.36	244,954	29.728	124.00	19,968	2.476	102.61	21,094	2.164	157.07	13,949	2.191	-	-	-	157.07	13,949	2.191
2.2) (Q5080) MK 146 HE WARHEAD	A		18,431.82	1,100	20.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) (Q5090) MK 149 WARHEAD	A		27,902.15	419	11.691	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) (Q5897) WTU-11/ B WARHEAD	A		-	-	1.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) (Q5898) M282 MULTI-PURPOSE PENETRATOR (MPP) (4)(†)	A		3,600.63	5,426	19.537	-	-	-	3,962.66	39	0.155	-	-	-	-	-	-	-	-	-
2.6) (Q5899) MK 152 WARHEAD (5)(†)	A		1,404.86	54,407	76.434	-	-	-	2,352.42	100	0.235	-	-	-	-	-	-	-	-	-
Subtotal: 2) Rocket Warheads			**-**	**-**	***158.690***	**-**	**-**	***2.476***	**-**	**-**	***2.554***	**-**	**-**	***2.191***	**-**	**-**	**-**	**-**	**-**	***2.191***
3) Rocket Launchers																				
3.1) (Q5895) LAU-68 F/A (2.75")	A		15,684.59	2,343	36.749	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER(†)	A		49,980.26	608	30.388	-	-	-	70,694.92	59	4.171	-	-	-	-	-	-	-	-	-
3.3) (QTBD) LAU-61 C/A (2.75-inch)(†)	A		28,065.93	182	5.108	39,529.41	34	1.344	39,529.41	125	4.941	-	-	-	-	-	-	-	-	-
Subtotal: 3) Rocket Launchers			**-**	**-**	***72.245***	**-**	**-**	***1.344***	**-**	**-**	***9.112***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
4) APKWS																				
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)	A		24,903.57	18,854	469.532	24,848.01	954	23.705	23,905.45	825	19.722	24,345.66	629	15.313	-	-	-	24,345.66	629	15.313

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types	**Aggregated Items Title:** Airborne Rockets, All Types

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: 4) APKWS			**-**	**-**	***469.532***	**-**	**-**	***23.705***	**-**	**-**	***19.722***	**-**	**-**	***15.313***	**-**	**-**	**-**	**-**	**-**	***15.313***
5) Other																				
5.1) (Q5871) MISCELLANEOUS ITEMS	A		-	-	8.556	-	-	0.024	-	-	0.100	-	-	0.100	-	-	-	-	-	0.100
5.2) (Q5870) CONTAINERS (7)	A		-	-	42.771	-	-	2.507	-	-	2.204	-	-	13.244	-	-	-	-	-	13.244
Subtotal: 5) Other			**-**	**-**	***51.327***	**-**	**-**	***2.531***	**-**	**-**	***2.304***	**-**	**-**	***13.344***	**-**	**-**	**-**	**-**	**-**	***13.344***
6) (Q5800) Integrated Logistics Support (ILS)																				
6.1) ROCKET WARHEADS-ILS	A		-	-	4.335	-	-	0.873	-	-	0.202	-	-	0.212	-	-	-	-	-	0.212
6.2) ROCKET LAUNCHERS-ILS	A		-	-	0.917	-	-	0.118	-	-	0.121	-	-	0.125	-	-	-	-	-	0.125
6.3) APKWS-ILS (8)	A		-	-	1.123	-	-	0.040	-	-	0.061	-	-	0.063	-	-	-	-	-	0.063
6.4) OTHER-ILS	A		-	-	0.036	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) (Q5800) Integrated Logistics Support (ILS)			**-**	**-**	***6.411***	**-**	**-**	***1.031***	**-**	**-**	***0.384***	**-**	**-**	***0.400***	**-**	**-**	**-**	**-**	**-**	***0.400***
7) (Q5850) Product Improvement (PIP)																				
7.1) ROCKET MOTORS - PIP	A		-	-	2.151	-	-	-	-	-	0.057	-	-	0.071	-	-	-	-	-	0.071
7.2) ROCKET WARHEADS-PIP	A		-	-	14.950	-	-	0.997	-	-	0.246	-	-	0.270	-	-	-	-	-	0.270
7.3) ROCKET LAUNCHERS-PIP	A		-	-	1.631	-	-	0.715	-	-	0.621	-	-	0.669	-	-	-	-	-	0.669
7.4) APKWS-PIP	A		-	-	36.318	-	-	0.965	-	-	2.164	-	-	2.266	-	-	-	-	-	2.266
Subtotal: 7) (Q5850) Product Improvement (PIP)			**-**	**-**	***55.050***	**-**	**-**	***2.677***	**-**	**-**	***3.088***	**-**	**-**	***3.276***	**-**	**-**	**-**	**-**	**-**	***3.276***
8) (Q5830) Production Engineering Support (PES)																				
8.1) ROCKET MOTORS-PES	A		-	-	35.583	-	-	0.319	-	-	0.600	-	-	0.630	-	-	-	-	-	0.630
8.2) ROCKET WARHEADS-PES	A		-	-	33.407	-	-	1.073	-	-	0.606	-	-	0.629	-	-	-	-	-	0.629
8.3) ROCKET LAUNCHERS-PES	A		-	-	18.790	-	-	2.099	-	-	0.217	-	-	0.225	-	-	-	-	-	0.225
8.4) APKWS-PES	A		-	-	36.470	-	-	2.643	-	-	0.995	-	-	1.044	-	-	-	-	-	1.044
Subtotal: 8) (Q5830) Production Engineering Support (PES)			**-**	**-**	***124.250***	**-**	**-**	***6.134***	**-**	**-**	***2.418***	**-**	**-**	***2.528***	**-**	**-**	**-**	**-**	**-**	***2.528***
Total			**-**	**-**	**1,435.509**	**-**	**-**	**75.383**	**-**	**-**	**70.005**	**-**	**-**	**67.423**	**-**	**-**	**-**	**-**	**-**	**67.423**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types	**Aggregated Items Title:** Airborne Rockets, All Types

Footnotes:

(1) (Q5040) MK 66 ROCKET MOTOR (MOD 4): Pricing is provided by the Army. The FY 2024 unit price includes entire Rocket Motor, all elements (Grain and Rocket Motor). The Unit price increase is due to tripled material costs associated with negotiated contract price of the MK 66 Rocket Motor.

(2) (Q5200) Smokey Sam: The FY 2024 Unit price increase is based on increased material costs from new vendors.

(3) (Q5030) WTU1/B INERT WARHEAD: Pricing provided by the Army and incorporates other services' buys. Baseline unit cost is dependent on total quantities from the Army. The contract has seen an increase in Inert Warhead unit cost due to overall service quantity decreases as well as an increase in negotiated pricing due to material increases. Procurement quantity fluctuations may affect each subsequent Delivery Order unit cost up or down.

(4) (Q5898) M282 MULTI-PURPOSE PENETRATOR (MPP): Requirements change no longer procuring

(5) (Q5899) MK 152 WARHEAD: Requirements change no longer procuring

(6) (Q5896) APKWS G&C SECTIONS: Pricing is provided by the Navy and depends on other customer buys. The unit price fluctuates depending on the total procurement between other services and FMS customers.

(7) (Q5870) CONTAINERS: FY 2024 includes $10.972M of Non-Enduring Operations funds within Container procurements to replace those lost/destroyed during contingency operations.

(8) (Q5800) Integrated Logistics Support (ILS): FY 2024 Increase over 2% due to increase in shipping costs due to truck shortages and fuels increases.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types	Aggregated Items: Airborne Rockets, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Rockets Hardware												
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)		2019	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2020	Aug 2022	32,674	607.75	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)	✓	2019	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2020	Aug 2022	71	607.75	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)	✓	2020	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2020	Aug 2022	35,292	669.09	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)		2021	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2021	Nov 2022	35,350	683.00	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)		2022	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2022	Nov 2023	45,123	786.41	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)		2023 (9)	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2023	Nov 2024	41,386	726.00	Y		Sep 2018
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)(†)		2024 (10)	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2024	Nov 2025	13,301	2,205.55	Y		Sep 2018
1.4) (Q5200) SMOKEY SAM (2)		2023	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jun 2023	Jun 2024	2,000	188.66	Y		
1.4) (Q5200) SMOKEY SAM (2)		2024	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jun 2024	Jun 2025	3,100	334.00	Y		
2) Rocket Warheads												
2.1) (Q5030) WTU1/B INERT WARHEAD (3)		2019	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2020	May 2021	35,095	91.45	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)	✓	2020	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2020	May 2021	11,569	91.45	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)		2021	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2021	May 2022	15,136	98.75	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)	✓	2021	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2021	May 2022	10,400	98.75	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)		2022	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2022	May 2023	19,968	124.00	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)		2023	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2023	May 2024	21,094	102.61	Y		Sep 2018
2.1) (Q5030) WTU1/B INERT WARHEAD (3)		2024	General Dynamics / Burlington, VT	C / FFP	Huntsville	May 2024	May 2025	13,949	157.07	Y		Sep 2018

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types	Aggregated Items: Airborne Rockets, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.5) (Q5898) M282 MULTI-PURPOSE PENETRATOR (MPP) (4)		2023 (11)	General Dynamics (12) / Burlington, VT	C / FFP	Huntsville	Jun 2023	Jun 2024	39	3,962.66	Y		Nov 2022
2.6) (Q5899) MK 152 WARHEAD (5)	✓	2020	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Mar 2020	Mar 2021	287	2,218.00	Y		
2.6) (Q5899) MK 152 WARHEAD (5)		2023	NSWC INDIAN HEAD DIV / Indian Head, MD	Various	NSWC	Jun 2023	Jun 2024	100	2,352.42	Y		
3) Rocket Launchers												
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER(†)	✓	2020	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2021	Jun 2022	69	61,000.00	Y		Oct 2018
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER(†)		2021	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2021	Jun 2022	26	69,807.69	Y		Oct 2018
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER(†)		2023	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2023	May 2024	59	70,694.92	Y		Oct 2018
3.3) (QTBD) LAU-61 C/A (2.75-inch)	✓	2020	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2021	May 2022	20	38,000.00	Y		Oct 2018
3.3) (QTBD) LAU-61 C/A (2.75-inch)		2021	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2021	May 2022	50	26,842.07	Y		Oct 2018
3.3) (QTBD) LAU-61 C/A (2.75-inch)	✓	2021	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2021	May 2022	112	26,842.07	Y		Oct 2018
3.3) (QTBD) LAU-61 C/A (2.75-inch)		2022 (13)	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2023	May 2024	34	39,529.41	Y		Oct 2018
3.3) (QTBD) LAU-61 C/A (2.75-inch)		2023	Arnold Defense / St. Louis, MO	SS / FFP	NSWC	May 2023	May 2024	125	39,529.41	Y		Oct 2018
4) APKWS												
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)		2021	BAE SYSTEMS (14) / NASHUA, NH	SS / FFP	NAVAIR HQ	Apr 2021	Mar 2022	832	23,554.26	Y		Jul 2018
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)	✓	2021	BAE SYSTEMS (14) / NASHUA, NH	SS / FFP	NAVAIR HQ	Apr 2021	Mar 2022	258	23,554.26	Y		Jul 2018
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)		2022	BAE SYSTEMS (14) / NASHUA, NH	SS / FFP	NAVAIR HQ	May 2022	Apr 2023	954	24,848.01	Y		Jul 2018
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)		2023	BAE SYSTEMS (14) / NASHUA, NH	SS / FFP	NAVAIR HQ	May 2023	Apr 2024	825	23,905.45	Y		Jul 2018

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types	Aggregated Items: Airborne Rockets, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1) (Q5896) APKWS G&C SECTIONS (6)(†)		2024	BAE SYSTEMS (14) / NASHUA, NH	SS / FFP	NAVAIR HQ	May 2024	Apr 2025	629	24,345.66	Y		Jul 2018

(†) indicates the presence of a P-21

Footnotes:

(9) (Q5040) MK 66 ROCKET MOTOR (MOD 4): Pricing is provided by the Army. The unit price includes entire Rocket Motor, all elements (Grain and Rocket Motor).

(10) (Q5040) MK 66 ROCKET MOTOR (MOD 4): Pricing is provided by the Army. The unit price includes entire Rocket Motor, all elements (Grain and Rocket Motor).

(11) (Q5898) M282 MULTI-PURPOSE PENETRATOR: MSR will be met with purchases from the Army.

(12) (Q5898) M282 MULTI-PURPOSE PENETRATOR: MSR will be met with purchases from the Army.

(13) (QTBD) FY22 contract award moved to May FY23 to support economy of scale purchasing power and provide significant cost savings.

(14) (Q5896) APKWS G&C SECTIONS : Minimum Sustaining Rate is satisfied by multi-service procurements.

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types

Aggregated Items: Airborne Rockets, All Types

Items (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) Rockets Hardware																															
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)																															
Prior Years Deliveries: 425145																															
	1	2019	NAVY	32.674	.000	32.674								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.674
✓	1	2019	NAVY	.071	.000	.071								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.071
✓	1	2020	NAVY	35.292	.000	35.292								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35.292
	1	2021	NAVY	35.350	.000	35.350																				A -	-	-	-	-	35.350
	1	2022	NAVY	45.123	.000	45.123																									45.123
	1	2023	NAVY	41.386	.000	41.386																									41.386
	1	2024	NAVY	13.301	.000	13.301																									13.301
3) Rocket Launchers																															
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER																															
Prior Years Deliveries: 513																															
✓	2	2020	NAVY	.069	.000	.069																				A -	-	-	-	-	.069
	2	2021	NAVY	.026	.000	.026																				A -	-	-	-	-	.026
	2	2023	NAVY	.059	.000	.059																									.059
4) APKWS																															
4.1) (Q5896) APKWS G&C SECTIONS (6)																															
Prior Years Deliveries: 17764																															
	3	2021	NAVY	.832	.000	.832																			A -	-	-	-	-	-	.832
✓	3	2021	NAVY	.258	.000	.258																			A -	-	-	-	-	-	.258
	3	2022	NAVY	.954	.000	.954																									.954
	3	2023	NAVY	.825	.000	.825																									.825
	3	2024	NAVY	.629	.000	.629																									.629
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types

Aggregated Items: Airborne Rockets, All Types

Items (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) Rockets Hardware																															
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) [1]																															
Prior Years Deliveries: 425145																															
	1	2019	NAVY	32.674	.000	32.674	-	-	-	-	-	-	-	-	-	-	2.723	2.723	2.723	2.723	2.723	2.723	2.723	2.723	2.723	2.722	2.722				.000
✓	1	2019	NAVY	.071	.000	.071	-	-	-	-	-	-	-	-	-	-	.006	.006	.006	.006	.006	.006	.006	.006	.006	.006	.005				.000
✓	1	2020	NAVY	35.292	.000	35.292	-	-	-	-	-	-	-	-	-	-	2.941	2.941	2.941	2.941	2.941	2.941	2.941	2.941	2.941	2.941	2.941				.000
	1	2021	NAVY	35.350	.000	35.350	-	-	-	-	-	-	-	-	-	-	-	-	-	2.945	2.945	2.946	2.946	2.946	2.946	2.946	2.946	2.946	2.946	2.946	2.946
	1	2022	NAVY	45.123	.000	45.123								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.123
	1	2023	NAVY	41.386	.000	41.386																				A -	-	-	-	-	41.386
	1	2024	NAVY	13.301	.000	13.301																									13.301
3) Rocket Launchers																															
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER																															
Prior Years Deliveries: 513																															
✓	2	2020	NAVY	.069	.000	.069	-	-	-	-	-	-	-	-	.006	.006	.006	.006	.006	.006	.006	.006	.006	.005	.005	.005					.000
	2	2021	NAVY	.026	.000	.026	-	-	-	-	-	-	-	-	.003	.003	.002	.002	.002	.002	.002	.002	.002	.002	.002	.002					.000
	2	2023	NAVY	.059	.000	.059																				A -	-	-	-	-	.059
4) APKWS																															
4.1) (Q5896) APKWS G&C SECTIONS [6]																															
Prior Years Deliveries: 17764																															
	3	2021	NAVY	.832	.000	.832	-	-	-	-	-	.069	.069	.069	.069	.069	.069	.069	.069	.070	.070	.070	.070								.000
✓	3	2021	NAVY	.258	.000	.258	-	-	-	-	-	.021	.021	.021	.021	.021	.021	.022	.022	.022	.022	.022	.022								.000
	3	2022	NAVY	.954	.000	.954								A -	-	-	-	-	-	-	-	-	-	-	.079	.079	.079	.079	.079	.079	.480
	3	2023	NAVY	.825	.000	.825																				A -	-	-	-	-	.825
	3	2024	NAVY	.629	.000	.629																									.629
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1 | **P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types | **Aggregated Items:** Airborne Rockets, All Types

Items (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
										Calendar Year 2024												Calendar Year 2025									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) Rockets Hardware																															
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)																															
Prior Years Deliveries: 425145																															
	1	2019	NAVY	32.674	32.674	.000																									.000
✓	1	2019	NAVY	.071	.071	.000																									.000
✓	1	2020	NAVY	35.292	35.292	.000																									.000
	1	2021	NAVY	35.350	32.404	2.946	2.946																								.000
	1	2022	NAVY	45.123	.000	45.123	-	3.763	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760	3.760												.000
	1	2023	NAVY	41.386	.000	41.386	-	-	-	-	-	-	-	-	-	-	-	-	-	3.448	3.448	3.449	3.449	3.449	3.449	3.449	3.449	3.449	3.449	3.449	3.449
	1	2024	NAVY	13.301	.000	13.301								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.301
3) Rocket Launchers																															
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER																															
Prior Years Deliveries: 513																															
✓	2	2020	NAVY	.069	.069	.000																									.000
	2	2021	NAVY	.026	.026	.000																									.000
	2	2023	NAVY	.059	.000	.059	-	-	-	-	-	-	-	.004	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005	.005						.000
4) APKWS																															
4.1) (Q5896) APKWS G&C SECTIONS (6)																															
Prior Years Deliveries: 17764																															
	3	2021	NAVY	.832	.832	.000																									.000
✓	3	2021	NAVY	.258	.258	.000																									.000
	3	2022	NAVY	.954	.474	.480	.080	.080	.080	.080	.080	.080																			.000
	3	2023	NAVY	.825	.000	.825	-	-	-	-	-	-	.068	.068	.068	.069	.069	.069	.069	.069	.069	.069	.069	.069							.000
	3	2024	NAVY	.629	.000	.629								A -	-	-	-	-	-	-	-	-	-	-	.053	.053	.053	.053	.053	.053	.311
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0151 / Airborne Rockets, All Types

Aggregated Items: Airborne Rockets, All Types

Items (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) Rockets Hardware																															
1.1) (Q5040) MK 66 ROCKET MOTOR (MOD 4) (1)																															
Prior Years Deliveries: 425145																															
	1	2019	NAVY	32.674	32.674	.000																									.000
✓	1	2019	NAVY	.071	.071	.000																									.000
✓	1	2020	NAVY	35.292	35.292	.000																									.000
	1	2021	NAVY	35.350	35.350	.000																									.000
	1	2022	NAVY	45.123	45.123	.000																									.000
	1	2023	NAVY	41.386	37.937	3.449	3.449																								.000
	1	2024	NAVY	13.301	.000	13.301	-	1.108	1.108	1.108	1.108	1.108	1.108	1.108	1.109	1.109	1.109	1.109	1.109												.000
3) Rocket Launchers																															
3.2) (Q5900) LAU-61 G/A (2.75-Inch) DIGITAL ROCKET LAUNCHER																															
Prior Years Deliveries: 513																															
✓	2	2020	NAVY	.069	.069	.000																									.000
	2	2021	NAVY	.026	.026	.000																									.000
	2	2023	NAVY	.059	.059	.000																									.000
4) APKWS																															
4.1) (Q5896) APKWS G&C SECTIONS (6)																															
Prior Years Deliveries: 17764																															
	3	2021	NAVY	.832	.832	.000																									.000
✓	3	2021	NAVY	.258	.258	.000																									.000
	3	2022	NAVY	.954	.954	.000																									.000
	3	2023	NAVY	.825	.825	.000																									.000
	3	2024	NAVY	.629	.318	.311	.052	.052	.052	.052	.052	.051																			.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0151 / Airborne Rockets, All Types	**Aggregated Items:** Airborne Rockets, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	General Dynamics - Burlington, VT	8,333	250,000	340,000	0	0	0	0	0	8	18	26
2	Arnold Defense - St. Louis, MO	9	142	285	0	6	0	6	0	6	12	18
3	BAE SYSTEMS (14) - NASHUA, NH	2,000	12,000	25,000	0	0	0	0	0	8	11	19

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:
(14) (Q5896) APKWS G&C SECTIONS : Minimum Sustaining Rate is satisfied by multi-service procurements.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	759.485	13.455	17.366	11.862	0.000	11.862	12.506	12.710	13.023	13.481	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	759.485	13.455	17.366	11.862	0.000	11.862	12.506	12.710	13.023	13.481	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**759.485**	**13.455**	**17.366**	**11.862**	**0.000**	**11.862**	**12.506**	**12.710**	**13.023**	**13.481**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Provides procurement of 20MM/25MM ammunition that supports various aircraft gun systems for several Type/Model/Series (T/M/S) aircraft. Funding also includes the integrated logistics support, product engineering support and product improvement programs in support of the ammunition procurements.

The ammunition procurements fall into three categories: Target Practice (TP), High Explosive Incendiary (HEI), and inert. The TP and inert rounds are used for training. The HEI rounds are used for warfighting and training and also include Semi Armor Piercing High Explosive Incendiary(SAPHEI) rounds.

All 20MM/25MM ammunition is procured by the Joint Munitions Command, Rock Island, Illinois.

20MM rounds are procured in both linkless and linked configurations. The linkless (or bulk) rounds are used in the M61A1/A2 Gun Systems in the F/A-18 aircraft and the M197 Linkless Feed Gun System on the AH-1W/Z aircraft. The linked rounds are used in the M197 gun on MH60 aircraft for the Fixed Forward Firing Weapon (FFFW).

25MM rounds are procured in the linkless configuration and are used in the GAU-12 Gun System in the AV-8B aircraft and the GAU-22 Gun System in the F-35B&C.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-5	1 / Machine Gun Ammunition	P-5a, P-21			- / 759.485	- / 13.455	- / 17.366	- / 11.862	- / 0.000	- / 11.862
P-40	**Total Gross/Weapon System Cost**				**- / 759.485**	**- / 13.455**	**- / 17.366**	**- / 11.862**	**- / 0.000**	**- / 11.862**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is required to procure 25MM Linkless TP and associated support costs.

OOC:
FY 2022 includes $0.000M in OOC execution.
FY 2023 includes $8.600M in OOC enacted budget.
FY 2024 includes $0.000M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Machine Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	759.485	13.455	17.366	11.862	0.000	11.862
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	759.485	13.455	17.366	11.862	0.000	11.862
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**759.485**	**13.455**	**17.366**	**11.862**	**0.000**	**11.862**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - Machine Gun Ammunition Cost																		
Recurring Cost																		
1.1.1) (Q4010) 20MM LINKLESS, TP(†)	15.55	17,255,867	268.285	-	-	-	11.96	269,314	3.221	-	-	-	-	-	-	-	-	-
1.1.2) (Q4050) 20MM LINKLESS, HEI(†)	30.61	5,474,664	167.589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) (Q4060) 20MM LINKED, TP	27.06	4,304,888	116.491	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) (Q4070) 20MM LINKED, HEI	112.39	673,448	75.690	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) (Q4080) 20MM LINKLESS, TP-T(†)	16.95	1,655,355	28.051	-	-	-	19.03	131,372	2.500	-	-	-	-	-	-	-	-	-
1.1.6) (Q4090) 25MM LINKLESS, TP(†) (1)	17.99	587,723	10.574	28.32	377,819	10.701	34.40	250,000	8.600	34.26	277,722	9.514	-	-	-	34.26	277,722	9.514
1.1.7) (Q4150) 25MM LINKLESS, HEI	52.63	405,570	21.346	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) (Q4200) INERT ROUND(†)	25.82	49,496	1.278	-	-	-	23.24	4,303	0.100	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*689.304*	-	-	*10.701*	-	-	*14.421*	-	-	*9.514*	-	-	-	-	-	*9.514*
Subtotal: Hardware - Machine Gun Ammunition Cost	**-**	**-**	***689.304***	**-**	**-**	***10.701***	**-**	**-**	***14.421***	**-**	**-**	***9.514***	**-**	**-**	**-**	**-**	**-**	***9.514***
Support - Product Improvement Cost																		
2.1) (Q4850) Machine Gun Ammunition	-	-	15.021	-	-	0.356	-	-	0.581	-	-	0.566	-	-	-	-	-	0.566

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition	Item Number / Title [DODIC]: 1 / Machine Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Support - Product Improvement Cost	-	-	***15.021***	-	-	***0.356***	-	-	***0.581***	-	-	***0.566***	-	-	-	-	-	***0.566***
Support - Integrated Logistics Cost																		
3.1) (Q4800) Machine Gun Ammunition	-	-	12.038	-	-	0.987	-	-	0.906	-	-	0.590	-	-	-	-	-	0.590
Subtotal: Support - Integrated Logistics Cost	-	-	***12.038***	-	-	***0.987***	-	-	***0.906***	-	-	***0.590***	-	-	-	-	-	***0.590***
Support - Production Engineering Cost																		
4.1) (Q4830) Machine Gun Ammunition	-	-	43.122	-	-	1.412	-	-	1.458	-	-	1.192	-	-	-	-	-	1.192
Subtotal: Support - Production Engineering Cost	-	-	***43.122***	-	-	***1.412***	-	-	***1.458***	-	-	***1.192***	-	-	-	-	-	***1.192***
Gross/Weapon System Cost	-	-	**759.485**	-	-	**13.455**	-	-	**17.366**	-	-	**11.862**	-	-	**0.000**	-	-	**11.862**

(†) indicates the presence of a P-5a

Footnotes:

(1) [(Q4090) 25MM LINKLESS, TP]: FY 2024 funding reflects additional increase in procurement quantities to support the increase of JSF initial deployment training for JSF aircraft demand.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0155 / Machine Gun Ammunition	Item Number / Title [DODIC]: 1 / Machine Gun Ammunition

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) (Q4010) 20MM LINKLESS, TP(†)		2021	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2021	Jul 2022	734,609	11.50	Y		Apr 2018
1.1.1) (Q4010) 20MM LINKLESS, TP(†)	✓	2021	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2021	Jul 2022	1,086,956	11.50	Y		Apr 2018
1.1.1) (Q4010) 20MM LINKLESS, TP(†)		2023	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2023	Jul 2024	269,314	11.96	Y		Apr 2018
1.1.2) (Q4050) 20MM LINKLESS, HEI(†)	✓	2021	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2021	Jul 2022	315,352	24.10	Y		Apr 2018
1.1.5) (Q4080) 20MM LINKLESS, TP-T(†)	✓	2021	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2021	Jul 2022	136,612	18.30	Y		Apr 2018
1.1.5) (Q4080) 20MM LINKLESS, TP-T(†)		2023	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2023	Jul 2024	131,372	19.03	Y		Apr 2018
1.1.6) (Q4090) 25MM LINKLESS, TP(†)		2022	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2022	Jul 2023	377,819	28.32	Y		Apr 2018
1.1.6) (Q4090) 25MM LINKLESS, TP(†)		2023	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2023	Jul 2024	250,000	34.40	Y		Apr 2018
1.1.6) (Q4090) 25MM LINKLESS, TP(†)		2024	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2024	Jul 2025	277,722	34.26	Y		Apr 2018
1.1.8) (Q4200) INERT ROUND		2023	GENERAL DYNAMICS OTS/ATK / MARION, IL / LAKE CITY, MO	C / FFP	JMC ROCK ISLAND, ILLINOIS	Jul 2024	Jul 2025	4,303	23.24	Y		Apr 2018

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Machine Gun Ammunition

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
							Calendar Year 2021												Calendar Year 2022												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) (Q4010) 20MM LINKLESS, TP																															
Prior Years Deliveries: 15434302																															
	1	2021	NAVY	.735	.000	.735										A -	-	-	-	-	-	-	-	-	-	-	-	.061	.061	.061	.551
✓	1	2021	NAVY	1.087	.000	1.087										A -	-	-	-	-	-	-	-	-	-	-	-	.091	.091	.091	.815
	1	2023	NAVY	.269	.000	.269																									.269
1.1.2) (Q4050) 20MM LINKLESS, HEI																															
Prior Years Deliveries: 5159312																															
✓	2	2021	NAVY	.315	.000	.315										A -	-	-	-	-	-	-	-	-	-	-	-	.026	.026	.026	.237
1.1.5) (Q4080) 20MM LINKLESS, TP-T																															
Prior Years Deliveries: 1518743																															
✓	3	2021	NAVY	.137	.000	.137										A -	-	-	-	-	-	-	-	-	-	-	-	.011	.011	.011	.102
	3	2023	NAVY	.131	.000	.131																									.131
1.1.6) (Q4090) 25MM LINKLESS, TP (1)																															
Prior Years Deliveries: 587723																															
	4	2022	NAVY	.378	.000	.378																						A -	-	-	.378
	4	2023	NAVY	.250	.000	.250																									.250
	4	2024	NAVY	.278	.000	.278																									.278
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Machine Gun Ammunition

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) (Q4010) 20MM LINKLESS, TP																															
Prior Years Deliveries: 15434302																															
	1	2021	NAVY	.735	.184	.551	.061	.061	.061	.061	.061	.061	.061	.061	.061																.000
✓	1	2021	NAVY	1.087	.272	.815	.091	.091	.091	.091	.091	.091	.091	.091	.091																.000
	1	2023	NAVY	.269	.000	.269										A -	-	-	-	-	-	-	-	-	-	-	-	.022	.022	.022	.202
1.1.2) (Q4050) 20MM LINKLESS, HEI																															
Prior Years Deliveries: 5159312																															
✓	2	2021	NAVY	.315	.079	.237	.026	.026	.026	.026	.026	.026	.026	.026	.026																.000
1.1.5) (Q4080) 20MM LINKLESS, TP-T																															
Prior Years Deliveries: 1518743																															
✓	3	2021	NAVY	.137	.034	.102	.011	.011	.011	.011	.011	.011	.011	.011	.011																.000
	3	2023	NAVY	.131	.000	.131										A -	-	-	-	-	-	-	-	-	-	-	-	.011	.011	.011	.099
1.1.6) (Q4090) 25MM LINKLESS, TP (1)																															
Prior Years Deliveries: 587723																															
	4	2022	NAVY	.378	.000	.378	-	-	-	-	-	-	-	-	-	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031	.031				.000
	4	2023	NAVY	.250	.000	.250										A -	-	-	-	-	-	-	-	-	-	-	-	.021	.021	.021	.188
	4	2024	NAVY	.278	.000	.278																						A -	-	-	.278
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Machine Gun Ammunition

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
							Calendar Year 2025												Calendar Year 2026												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) (Q4010) 20MM LINKLESS, TP																															
Prior Years Deliveries: 15434302																															
	1	2021	NAVY	.735	.735	.000																									.000
✓	1	2021	NAVY	1.087	1.087	.000																									.000
	1	2023	NAVY	.269	.067	.202	.022	.022	.022	.022	.022	.022	.022	.022	.022																.000
1.1.2) (Q4050) 20MM LINKLESS, HEI																															
Prior Years Deliveries: 5159312																															
✓	2	2021	NAVY	.315	.315	.000																									.000
1.1.5) (Q4080) 20MM LINKLESS, TP-T																															
Prior Years Deliveries: 1518743																															
✓	3	2021	NAVY	.137	.137	.000																									.000
	3	2023	NAVY	.131	.033	.099	.011	.011	.011	.011	.011	.011	.011	.011	.011																.000
1.1.6) (Q4090) 25MM LINKLESS, TP (1)																															
Prior Years Deliveries: 587723																															
	4	2022	NAVY	.378	.378	.000																									.000
	4	2023	NAVY	.250	.062	.188	.021	.021	.021	.021	.021	.021	.021	.021	.021																.000
	4	2024	NAVY	.278	.000	.278	-	-	-	-	-	-	-	-	-	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023	.023				.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0155 / Machine Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Machine Gun Ammunition

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	500,000	2,350,000	3,350,000	0	0	0	0	0	9	12	21
2	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	125,000	1,250,000	2,000,000	0	0	0	0	0	10	12	22
3	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	50,000	100,000	1,440,000	0	0	0	0	0	7	12	19
4	GENERAL DYNAMICS OTS/ ATK - MARION, IL / LAKE CITY, MO	5,400	100,000	400,000	0	0	0	0	0	10	12	22

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0160 / Practice Bombs

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: N/A		

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,067.067	47.844	44.524	52.481	0.000	52.481	56.918	56.228	58.217	59.870	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,067.067	47.844	44.524	52.481	0.000	52.481	56.918	56.228	58.217	59.870	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,067.067**	**47.844**	**44.524**	**52.481**	**0.000**	**52.481**	**56.918**	**56.228**	**58.217**	**59.870**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The purpose of the Practice Bombs budget is to procure a variety of low cost alternative practice bombs to be employed by Navy and Marine Corps Aircraft. Using practice bombs in place of High Explosive (HE) live rounds is a cost effective and practical way to train aircrew, maintenance personnel, and ground attack controllers. Practice bombs also provide increased training opportunity on ranges where HE ordnance is not permitted. The munitions procured through this PE/BLI are procured by the Joint Munitions Command, the Single Manager for Conventional Ammunition, with the exception of the Laser Guided Training Round, which is procured by NAVAIR.

Specific Products are, but not limited to the MK-76 and BDU-33 which are low cost 25lb tear dropped shaped practice bombs that simulates a MK-82 low drag configuration used by the Navy and F-35. The MK-82 is a 500lb unguided, low-drag practice bomb. Other full-scale inert Practice Bomb variations are the MK-83 1,000lb, MK-84 2,000lb, and BLU-109 2,000lb penetrator. The BLU-137 Inert is a full-scale 2,000lb inert penetrator designed by the USAF to improve survivability of the BLU-109 and may be used as a suitable substitute. Inert General Purpose Bomb cases are filled with an inert material and have the same weight, size, center of gravity and ballistics of the live bomb configurations.

The Laser Guided Training Round (LGTR) simulates Laser Guided Weapons and provides a low cost alternative to the use of full scale munitions. The LGTR is capable of replicating the Paveway II laser Guided Bomb and is suitable for deployment from select Navy and Marine Corps aircraft. The round allows the aviator to exercise the coordination between the aircrew and the laser designator and to emulate delivery options and multi-aircraft tactics. The development and retention of this skill set is extensive and the LGTR provides the capability to exercise the system in a cost effective manner.

The Practice Bombs budget also funds miscellaneous items including but not limited to low cost items such as M70 series cables, MK-89 adapters, lanyards, lugs, nose plugs, inert fill material, control surfaces, bands, strakes, aero panels, dunnage, packaging and containers required for assembly and shipment of an inert practice bombs.

The Product Improvement Program funds efforts to investigate and incorporate design changes to address manufacturing, production and technology insertions that improve practice stores platform integration, system reliability, obsolescence, and producibility.

The demand for practice bombs correlates to the Training & Readiness (T&R) requirements for both aviation and ground communities. Each T&R syllabus prescribes a minimum number of "live drops" which can be satisfied with practice ordnance. The release of practice ordnance as part of realistic and tactical training scenarios provides increased safety, readiness, and combat effectiveness for aircrew and ground controllers alike.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0160 / Practice Bombs

ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-5	1 / Practice Bombs	P-5a, P-21			- / 1,067.067	- / 47.844	- / 44.524	- / 52.481	- / 0.000	- / 52.481
P-40	**Total Gross/Weapon System Cost**				**- / 1,067.067**	**- / 47.844**	**- / 44.524**	**- / 52.481**	**- / 0.000**	**- / 52.481**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is provided for training munitions requirements that are based on the needs of the Fleet Aviation Training and Tactical Squadrons and are updated with actual expenditures on an annual basis. The munitions are essential in training and retaining weapons delivery proficiency.

This budget supports critical Navy Title 10 war reserve/operational, training, and test requirements as identified within the DoD Instruction 3000.04 (Munitions Requirements Process) and OPNAV INST 8011.9 (Navy Munitions Requirements Process). Practice Bomb procurements provide the Fleet subscale and/or inert stores in lieu of significantly more expensive full scale and/or high explosive stores procured with General Purpose Bombs funding; thereby reducing the overall cost in achieving fleet training readiness levels.

The annual disbursement of training munitions is done via a Non-Combat Expenditure Allocation (NCEA) and provides the individual units with an allocation under which they plan their annual training syllabuses. Additionally, training/inert munitions support the development, fielding, safety, and quality assurance of Navy munitions and equipment throughout their life cycle.

These munitions support the individual and collective training of Active and Reserve Component forces. The annual expenditures of practice stores prepares Naval Aviation units for deployment and is the largest driver of current and future munitions procurement. Procurements are primarily designed to replenish the practice bombs weapons used each year to achieve required readiness levels. Unlike procurement of capital assets, a large percentage of weapons are consumed in annual fleet training expenditures; thereby reducing the ability to simply slide procurements a year in response to budget reductions. Barring a reduction in fleet training expenditures and the correlating readiness degradation, any reductions in practice bomb procurements in a given year will be addressed through increased procurements in the out years to restore inventory to a level adequate to support NCEA and fleet readiness.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,067.067	47.844	44.524	52.481	0.000	52.481
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,067.067	47.844	44.524	52.481	0.000	52.481
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,067.067**	**47.844**	**44.524**	**52.481**	**0.000**	**52.481**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - Practice Bombs Cost																		
Recurring Cost																		
1.1.1) Q1010 MK-76(†) (1)	75.49	559,333	42.226	81.51	76,665	6.249	84.80	32,771	2.779	86.50	76,381	6.607	-	-	-	86.50	76,381	6.607
1.1.2) Q1020 BDU-33(†) (2)	-	-	-	-	-	-	89.04	4,000	0.356	90.82	1,010	0.092	-	-	-	90.82	1,010	0.092
1.1.3) Q1040 MK-82 INERT(†) (3)	2,433.32	23,140	56.307	2,970.40	4,227	12.556	3,029.81	3,712	11.247	3,090.41	1,591	4.917	-	-	-	3,090.41	1,591	4.917
1.1.4) Q1050 BLU-109 INERT(†) (4)	25,527.03	518	13.223	26,902.58	173	4.654	37,256.00	115	4.284	38,001.12	162	6.156	-	-	-	38,001.12	162	6.156
1.1.5) Q1100 CXU-3 A/B(†) (5)	-	-	-	-	-	-	-	-	-	15.23	11,818	0.180	-	-	-	15.23	11,818	0.180
Subtotal: Recurring Cost	-	-	*111.756*	-	-	*23.459*	-	-	*18.666*	-	-	*17.952*	-	-	-	-	-	*17.952*
Subtotal: Hardware - Practice Bombs Cost	**-**	**-**	***111.756***	**-**	**-**	***23.459***	**-**	**-**	***18.666***	**-**	**-**	***17.952***	**-**	**-**	**-**	**-**	**-**	***17.952***
Hardware - Precision Guided Practice Bombs Cost																		
Recurring Cost																		
2.1.1) Q1300 LGTR(†)	3,307.19	76,587	253.288	3,926.89	5,047	19.819	4,044.00	4,693	18.978	4,124.00	6,678	27.540	-	-	-	4,124.00	6,678	27.540
Subtotal: Recurring Cost	-	-	*253.288*	-	-	*19.819*	-	-	*18.978*	-	-	*27.540*	-	-	-	-	-	*27.540*
Subtotal: Hardware - Precision Guided Practice Bombs Cost	**-**	**-**	***253.288***	**-**	**-**	***19.819***	**-**	**-**	***18.978***	**-**	**-**	***27.540***	**-**	**-**	**-**	**-**	**-**	***27.540***
Hardware - Miscellaneous Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0160 / Practice Bombs	Item Number / Title [DODIC]: 1 / Practice Bombs
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Recurring Cost																		
3.1.1) Q1062 Miscellaneous Items (6)	-	-	10.990	-	-	0.708	-	-	0.722	-	-	0.736	-	-	-	-	-	0.736
Subtotal: Recurring Cost	-	-	*10.990*	-	-	*0.708*	-	-	*0.722*	-	-	*0.736*	-	-	-	-	-	*0.736*
Subtotal: Hardware - Miscellaneous Cost	**-**	**-**	***10.990***	**-**	**-**	***0.708***	**-**	**-**	***0.722***	**-**	**-**	***0.736***	**-**	**-**	**-**	**-**	**-**	***0.736***
Hardware - Prior Years Cost																		
Non Recurring Cost																		
4.1.1) Prior Years	-	-	635.595	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*635.595*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Years Cost	**-**	**-**	***635.595***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support - Integrated Logistics Cost																		
5.1) Q1800 Practice Bombs ILS	-	-	1.273	-	-	0.356	-	-	0.363	-	-	0.370	-	-	-	-	-	0.370
5.2) Q1800 Precision Guided Practice Bombs ILS	-	-	1.939	-	-	0.181	-	-	0.185	-	-	0.188	-	-	-	-	-	0.188
Subtotal: Support - Integrated Logistics Cost	**-**	**-**	***3.212***	**-**	**-**	***0.537***	**-**	**-**	***0.548***	**-**	**-**	***0.558***	**-**	**-**	**-**	**-**	**-**	***0.558***
Support - Production Engineering Cost																		
6.1) Q1830 Practice Bombs PES	-	-	11.369	-	-	1.160	-	-	1.153	-	-	1.149	-	-	-	-	-	1.149
6.2) Q1830 Precision Guided Practice Bombs PES	-	-	17.488	-	-	1.030	-	-	1.051	-	-	1.072	-	-	-	-	-	1.072
Subtotal: Support - Production Engineering Cost	**-**	**-**	***28.857***	**-**	**-**	***2.190***	**-**	**-**	***2.204***	**-**	**-**	***2.221***	**-**	**-**	**-**	**-**	**-**	***2.221***
Support - Miscellaneous Support Cost																		
7.1) Q1850 Product Improvement Program (PIP) (7)	-	-	20.810	-	-	0.974	-	-	3.246	-	-	3.311	-	-	-	-	-	3.311
7.2) Q1894 Gauging (8)	-	-	2.559	-	-	0.157	-	-	0.160	-	-	0.163	-	-	-	-	-	0.163
Subtotal: Support - Miscellaneous Support Cost	**-**	**-**	***23.369***	**-**	**-**	***1.131***	**-**	**-**	***3.406***	**-**	**-**	***3.474***	**-**	**-**	**-**	**-**	**-**	***3.474***
Gross/Weapon System Cost	**-**	**-**	**1,067.067**	**-**	**-**	**47.844**	**-**	**-**	**44.524**	**-**	**-**	**52.481**	**-**	**-**	**0.000**	**-**	**-**	**52.481**

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0160 / Practice Bombs	Item Number / Title [DODIC]: 1 / Practice Bombs
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

(†) indicates the presence of a P-5a

Footnotes:

(1) Q1010 MK-76: The demand for Practice Bombs correlates to the Training and Readiness requirements for both aviation and ground communities. The release of practice ordnance as part of realistic and tactical training scenarios provides increased safety, readiness and combat effectiveness. Adjustments to the Non Combat Expenditure Allowance (NCEA) fluctuate annually due to emerging fleet readiness exercises and training augmentations.

(2) Q1020 BDU-33: The demand for Practice Bombs correlates to the Training and Readiness requirements for both aviation and ground communities. The release of practice ordnance as part of realistic and tactical training scenarios provides increased safety, readiness and combat effectiveness. Adjustments to the NCEA fluctuate annually due to emerging fleet readiness exercises and training augmentations.

(3) Q1040MK-82 Inert: The demand for Practice Bombs correlates to the Training and Readiness requirements for both aviation and ground communities. The release of practice ordnance as part of realistic and tactical training scenarios provides increased safety, readiness and combat effectiveness. Adjustments to the NCEA fluctuate annually due to emerging fleet readiness exercises and training augmentations.

(4) Q1050 BLU-109 Inert: The demand for Practice Bombs correlates to the Training and Readiness requirements for both aviation and ground communities. The release of practice ordnance as part of realistic and tactical training scenarios provides increased safety, readiness and combat effectiveness. Adjustments to the NCEA fluctuate annually due to emerging fleet readiness exercises and training augmentations.

(5) Q11 CXU-3A/B: is a smoke signal cartridge used in the nose of the inert weapons to identify impact.

(6) Q1062 Miscellaneous Items: Misc. Items includes various bomb subcomponents such as lugs, inert fill material, steel pipe, control surfaces, band, strakes, aero panels, dunnage, packaging and containers required for assembly and shipment of an inert practice item

(7) Q1850 Product Improvement Program (PIP): Includes improvements to products and processes related to the production of practice rounds and kits. Additionally, this cost element funds parts obsolescence, associated production acceptance test and ancillary support cost.

(8) Q1894 Gauging: is required for materials and labor for calibration and recertification of gauges necessary to support Practice hardware production.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0160 / Practice Bombs	Item Number / Title [DODIC]: 1 / Practice Bombs

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) Q1010 MK-76(†)		2020	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2020	Mar 2022	43,145	78.34	Y		Feb 2013
1.1.1) Q1010 MK-76(†)		2021	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2021	Mar 2023	64,447	79.91	Y		Feb 2013
1.1.1) Q1010 MK-76(†)		2022	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2022	Mar 2024	76,665	81.51	Y		Nov 2019
1.1.1) Q1010 MK-76(†)		2023	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2023	Mar 2025	32,771	84.80	Y		Nov 2019
1.1.1) Q1010 MK-76(†)		2024	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2024	Mar 2026	76,381	86.50	Y		Nov 2019
1.1.2) Q1020 BDU-33		2023	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2023	Mar 2025	4,000	89.04	Y		Nov 2019
1.1.2) Q1020 BDU-33		2024	Delfasco, LLC / Afton,TN	C / FFP	JMC, Rock Island, IL	Mar 2024	Mar 2026	1,010	90.82	Y		Nov 2019
1.1.3) Q1040 MK-82 INERT		2018	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2018	Dec 2020	2,340	2,742.99	Y		Jun 2014
1.1.3) Q1040 MK-82 INERT		2019	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2019	Dec 2021	3,084	2,743.19	Y		Jun 2014
1.1.3) Q1040 MK-82 INERT		2020	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2020	Dec 2022	2,594	2,855.06	Y		Jun 2014
1.1.3) Q1040 MK-82 INERT		2021	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2021	Dec 2023	1,370	2,911.30	Y		Jun 2014
1.1.3) Q1040 MK-82 INERT		2022	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2022	Dec 2024	4,227	2,970.40	Y		Jun 2014
1.1.3) Q1040 MK-82 INERT		2023	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2023	Dec 2025	3,712	3,029.81	Y		Nov 2021
1.1.3) Q1040 MK-82 INERT		2024	General Dynamics / Garland, TX / MCAAP	SS / FP	JMC, Rock Island, IL	Apr 2024	Dec 2026	1,591	3,090.41	Y		Nov 2021
1.1.4) Q1050 BLU-109 INERT(†)		2019	EllWood National Forge / Irvine, PA/MCAAP	C / FFP	JMC, Rock Island, IL	Jan 2019	Jan 2022	137	28,635.03	Y		Apr 2015
1.1.4) Q1050 BLU-109 INERT(†)		2022 (9)	TBD (10) / TBD	TBD	TBD	Mar 2023	Mar 2026	173	26,902.58	Y		Mar 2022
1.1.4) Q1050 BLU-109 INERT(†)		2023	TBD (10) / TBD	TBD	TBD	Mar 2023	Oct 2026	115	37,256.00	Y		Mar 2022
1.1.4) Q1050 BLU-109 INERT(†)		2024	TBD (10) / TBD	TBD	TBD	Mar 2024	Mar 2027	162	38,001.12	Y		Mar 2022
1.1.5) Q1100 CXU-3 A/B		2024	TBD / TBD	C / TBD	JMC, Rock Island, IL	Apr 2024	Apr 2025	11,818	15.23	Y		Sep 2021
2.1.1) Q1300 LGTR(†)		2020	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2020	Nov 2021	707	3,552.00	Y		Feb 2015
2.1.1) Q1300 LGTR(†)	✓	2020	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2020	Nov 2021	3,294	3,552.00	Y		Feb 2015
2.1.1) Q1300 LGTR(†)		2021	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2021	Nov 2022	6,556	3,850.50	Y		Feb 2015
2.1.1) Q1300 LGTR(†)		2022	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Jul 2022	Mar 2024	5,047	3,926.89	Y		Jan 2022

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0160 / Practice Bombs	Item Number / Title [DODIC]: 1 / Practice Bombs

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) Q1300 LGTR(†)		2023	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2023	Nov 2024	4,693	4,044.00	Y		Jan 2022
2.1.1) Q1300 LGTR(†)		2024	Lockheed Martin Corporation LGTR / Archbald, PA	SS / IDIQ	NAVAIR, Pax River, MD	Mar 2024	Nov 2025	6,678	4,124.00	Y		Jan 2022

(†) indicates the presence of a P-21

Footnotes:

(9) Contract delayed due to RFP delay / proposal receipt, plan is to award FY 2022 and FY 2023 concurrently.

(10) Contract delayed due to RFP delay / proposal receipt, plan is to award FY22 and FY23 concurrently.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2018												Fiscal Year 2019												BALANCE
							Calendar Year 2018												Calendar Year 2019												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2017	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	.000	43.145																									43.145
	1	2021	NAVY	64.447	.000	64.447																									64.447
	1	2022	NAVY	76.665	.000	76.665																									76.665
	1	2023	NAVY	32.771	.000	32.771																									32.771
	1	2024	NAVY	76.381	.000	76.381																									76.381
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.000	.137																A -	-	-	-	-	-	-	-	-	.137
	3	2022	NAVY	.173 (11)	.000	.173																									.173
	3	2023	NAVY	.115	.000	.115																									.115
	3	2024	NAVY	.162	.000	.162																									.162
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.000	.707																									.707
✓	4	2020	NAVY	3.294	.000	3.294																									3.294
	4	2021	NAVY	6.556	.000	6.556																									6.556
	4	2022	NAVY	5.047	.000	5.047																									5.047
	4	2023	NAVY	4.693	.000	4.693																									4.693
	4	2024	NAVY	6.678	.000	6.678																									6.678
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	.000	43.145						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43.145
	1	2021	NAVY	64.447	.000	64.447																		A -	-	-	-	-	-	-	64.447
	1	2022	NAVY	76.665	.000	76.665																									76.665
	1	2023	NAVY	32.771	.000	32.771																									32.771
	1	2024	NAVY	76.381	.000	76.381																									76.381
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.000	.137	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.137
	3	2022	NAVY	.173 (11)	.000	.173																									.173
	3	2023	NAVY	.115	.000	.115																									.115
	3	2024	NAVY	.162	.000	.162																									.162
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.000	.707						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.707
✓	4	2020	NAVY	3.294	.000	3.294						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.294
	4	2021	NAVY	6.556	.000	6.556																		A -	-	-	-	-	-	-	6.556
	4	2022	NAVY	5.047	.000	5.047																									5.047
	4	2023	NAVY	4.693	.000	4.693																									4.693
	4	2024	NAVY	6.678	.000	6.678																									6.678
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1 | **P-1 Line Item Number / Title:** 0160 / Practice Bombs | **Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	.000	43.145	-	-	-	-	-	3.596	3.596	3.596	3.596	3.596	3.595	3.595	3.595	3.595	3.595	3.595	3.595								.000
	1	2021	NAVY	64.447	.000	64.447	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.377	5.370	5.370	5.370	5.370	5.370	5.370	26.850
	1	2022	NAVY	76.665	.000	76.665						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.665
	1	2023	NAVY	32.771	.000	32.771																		A -	-	-	-	-	-	-	32.771
	1	2024	NAVY	76.381	.000	76.381																									76.381
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.000	.137	-	-	-	.011	.011	.011	.011	.011	.011	.011	.012	.012	.012	.012	.012										.000
	3	2022	NAVY	.173 (11)	.000	.173																		A -	-	-	-	-	-	-	.173
	3	2023	NAVY	.115	.000	.115																		A -	-	-	-	-	-	-	.115
	3	2024	NAVY	.162	.000	.162																									.162
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.000	.707	-	.058	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059	.059												.000
✓	4	2020	NAVY	3.294	.000	3.294	-	.274	.274	.274	.274	.274	.274	.275	.275	.275	.275	.275	.275												.000
	4	2021	NAVY	6.556	.000	6.556	-	-	-	-	-	-	-	-	-	-	-	-	-	.547	.547	.547	.547	.546	.546	.546	.546	.546	.546	.546	.546
	4	2022	NAVY	5.047	.000	5.047										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.047
	4	2023	NAVY	4.693	.000	4.693																		A -	-	-	-	-	-	-	4.693
	4	2024	NAVY	6.678	.000	6.678																									6.678
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	43.145	.000																									.000
	1	2021	NAVY	64.447	37.597	26.850	5.370	5.370	5.370	5.370	5.370																				.000
	1	2022	NAVY	76.665	.000	76.665	-	-	-	-	-	6.388	6.388	6.388	6.389	6.389	6.389	6.389	6.389	6.389	6.389	6.389	6.389								.000
	1	2023	NAVY	32.771	.000	32.771	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.730	2.731	2.731	2.731	2.731	2.731	2.731	13.655
	1	2024	NAVY	76.381	.000	76.381						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76.381
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.137	.000																									.000
	3	2022	NAVY	.173 (11)	.000	.173	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.173
	3	2023	NAVY	.115	.000	.115	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.115
	3	2024	NAVY	.162	.000	.162						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.162
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.707	.000																									.000
✓	4	2020	NAVY	3.294	3.294	.000																									.000
	4	2021	NAVY	6.556	6.010	.546	.546																								.000
	4	2022	NAVY	5.047	.000	5.047	-	-	-	-	-	.421	.421	.421	.421	.421	.421	.421	.420	.420	.420	.420	.420								.000
	4	2023	NAVY	4.693	.000	4.693	-	-	-	-	-	-	-	-	-	-	-	-	-	.392	.391	.391	.391	.391	.391	.391	.391	.391	.391	.391	.391
	4	2024	NAVY	6.678	.000	6.678						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.678
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1 | **P-1 Line Item Number / Title:** 0160 / Practice Bombs | **Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026															Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	43.145	.000																									.000
	1	2021	NAVY	64.447	64.447	.000																									.000
	1	2022	NAVY	76.665	76.665	.000																									.000
	1	2023	NAVY	32.771	19.116	13.655	2.731	2.731	2.731	2.731	2.731																				.000
	1	2024	NAVY	76.381	.000	76.381	-	-	-	-	-	6.365	6.365	6.365	6.365	6.365	6.365	6.365	6.365	6.365	6.365	6.365	6.366								.000
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.137	.000																									.000
	3	2022	NAVY	.173 (11)	.000	.173	-	-	-	-	-	.024	.024	.024	.024	.024	.024	.024	.005												.000
	3	2023	NAVY	.115	.000	.115	-	-	-	-	-	-	-	-	-	-	-	-	.019	.024	.024	.024	.024								.000
	3	2024	NAVY	.162	.000	.162	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.013	.013	.013	.013	.013	.013	.014	.070
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.707	.000																									.000
✓	4	2020	NAVY	3.294	3.294	.000																									.000
	4	2021	NAVY	6.556	6.556	.000																									.000
	4	2022	NAVY	5.047	5.047	.000																									.000
	4	2023	NAVY	4.693	4.302	.391	.391																								.000
	4	2024	NAVY	6.678	.000	6.678	-	.556	.556	.556	.556	.556	.556	.557	.557	.557	.557	.557	.557												.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs

Cost Elements (Units in Thousands)							Fiscal Year 2028												Fiscal Year 2029												BALANCE
							Calendar Year 2028												Calendar Year 2029												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2027	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) Q1010 MK-76 (1)																															
Prior Years Deliveries: 451741																															
	1	2020	NAVY	43.145	43.145	.000																									.000
	1	2021	NAVY	64.447	64.447	.000																									.000
	1	2022	NAVY	76.665	76.665	.000																									.000
	1	2023	NAVY	32.771	32.771	.000																									.000
	1	2024	NAVY	76.381	76.381	.000																									.000
1.1.4) Q1050 BLU-109 INERT (4)																															
Prior Years Deliveries: 381																															
	2	2019	NAVY	.137	.137	.000																									.000
	3	2022	NAVY	.173 (11)	.173	.000																									.000
	3	2023	NAVY	.115	.115	.000																									.000
	3	2024	NAVY	.162	.092	.070	.014	.014	.014	.014	.014																				.000
2.1.1) Q1300 LGTR																															
Prior Years Deliveries: 66030																															
	4	2020	NAVY	.707	.707	.000																									.000
✓	4	2020	NAVY	3.294	3.294	.000																									.000
	4	2021	NAVY	6.556	6.556	.000																									.000
	4	2022	NAVY	5.047	5.047	.000																									.000
	4	2023	NAVY	4.693	4.693	.000																									.000
	4	2024	NAVY	6.678	6.678	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0160 / Practice Bombs	**Item Number / Title [DODIC]:** 1 / Practice Bombs

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	Delfasco, LLC - Afton,TN	20,000	113,000	300,000	0	6	24	30	0	6	24	30
2	EllWood National Forge - Irvine, PA/MCAAP	1,344	2,323	6,480	0	4	36	40	0	4	36	40
3	TBD (10) - TBD	50	100	500	0	18	36	54	0	6	36	42
4	Lockheed Martin Corporation LGTR - Archbald, PA	4,000	8,400	22,000	0	10	20	30	0	6	20	26

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:
(10) Contract delayed due to RFP delay / proposal receipt, plan is to award FY22 and FY23 concurrently.
(11) FY 2022 and FY 2023 awarding concurrently, with FY 2022 qtys delivering first.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices

ID Code (A=Service Ready, B=Not Service Ready): A | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,055.154	68.387	71.391	72.426	0.000	72.426	73.969	75.354	76.947	79.222	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,055.154	68.387	71.391	72.426	0.000	72.426	73.969	75.354	76.947	79.222	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,055.154**	**68.387**	**71.391**	**72.426**	**0.000**	**72.426**	**73.969**	**75.354**	**76.947**	**79.222**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Beginning the FY 2023 budget request, the CAD/PAD procurements are realigned towards the individual Aircraft Platforms supported instead of by CAD/PAD item. This will align what was once considered High Dollar and Miscellaneous Devices Under $0.500M into platform-specific budget line items, giving improved transparency in how the budget supports each aircraft. Organizing our budget line items to show by aircraft rather than specific CAD/PAD item will also align the Navy budget closer in format to that of the Air Force which procures similar and in some cases identical items to those in our budget.

FY 2024 funding totals include $72.426 million.

Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) program's mission is to procure over 700 distinct service life-limited explosive/energetic devices. These devices perform critical safety functions in support of flight operations. Specifically, these devices are in US Navy's Naval Aircrew Common Ejection Seats (NACES), Aircraft safety of flight components, aircrew survival equipment and weapon systems release systems. The CAD/PAD yearly requirement is modeled on the total reported active aircraft as per the Office of the Naval Operations (OPNAV). The quantity for these unique requirements vary due to the distinct energetics of each CAD/PAD service life. Extending service life of CAD/PAD components beyond recommended use due to unavailability can pose a significant safety risk to aircrew. These explosives/energetics have finite service lives and are replaced during scheduled maintenance. Aircraft readiness may be impacted if any one of these items does not meet service life recommendations and cannot be extended. The new layout is listed below, by aircraft and description.

T-6: Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Ejection seat catapult cartridges and rocket motors including Under Seat Rocket Motors, Impulse Cartridges, Digital Inline Timers, and Small-Column Insulated Delay initiators. Other aircraft cartridge actuated devices include Internal Canopy Mechanical Actuated Initiators, Seat Movement Mechanical Actuated Initiators, External Canopy Mechanical Actuated Initiators, Donor Assemblies, Manifolds, and ballistic transfer and canopy fracturing lines,

T-38/F-5: Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Ejection seat catapult cartridges and rocket motors including Under Seat Rocket Motors, Impulse Cartridges, Digital Inline Timers, and Small-Column Insulated Delay initiators. Other aircraft cartridge actuated devices include Canopy removers and thrusters, and Donor Assemblies,

V-22: Funding supports procurement of cartridge actuated devices. Examples of items used on this aircraft include: Internal Canopy Mechanical Actuated Initiators, External Canopy Mechanical Actuated Initiators, Gas Generators, Canopy and Hatch Shape Charge Assemblies, Thin Linear Explosive Ballistic Transfer Lines, Fire Extinguisher Cartridges, and Impulse Cartridges.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: N/A		

AV-8B: Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Ejection seat cartridges and rocket motors, canopy fracturing mild detonating cords, Impulse Cartridges, Cartridge Actuated Delay Initiators, Cartridge Actuated Initiators, Flexible Confined Detonating Cord, and Ballistic Transfer Lines.

F/A-18 & EA-18: Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Ejection seat cartridges and rocket motors including Parachute Deployment Rocket Motors, sequencer thermal batteries, Under Seat Rocket Motors, Impulse Cartridges, and seat catapult primary initiators, Digital Inline Timers, and Small-Column Insulated Delay initiators. Other aircraft devices include Fire Suppression Gas Generators, Fire Extinguisher Cartridges, ballistic transfer lines, canopy jettison rocket motors, DFIRS explosive doors, and DFIRS initiation components.

T-45: Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Ejection seat cartridges and rocket motors including Parachute Deployment Rocket Motors, sequencer thermal batteries, Under Seat Rocket Motors, Impulse Cartridges, and seat catapult primary initiators, Digital Inline Timers, and Small-Column Insulated Delay initiators. Other aircraft devices include ballistic transfer lines and canopy fracturing mild detonating cords.

All Other Platforms: CAD/PAD devices typically procured yearly under this budget line, but not limited to, include explosive separators, aircrew and deck crew inflators, safety and arming devices, sequence controls, shielded mild detonating cords, initiators, thrusters, fire extinguisher cartridges, and other devices used in aircraft emergency escape and safety systems.

These devices number in the hundreds of unique components where the unit cost varies based on Economic Order Quantities varying from budget to budget for planned procurements.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)
P-40a	Cartridge Actuated Devices/Propellant Act Devices	P-5a, P-21			- / 1,055.154	- / 68.387	- / 71.391	- / 72.426	- / -	- / 72.426
P-40	**Total Gross/Weapon System Cost**				**- / 1,055.154**	**- / 68.387**	**- / 71.391**	**- / 72.426**	**- / 0.000**	**- / 72.426**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is required to support fleet requirements that take into account the aircraft inventory, maintenance cycle and aircraft installed Cartridge Actuated Devices/Propellant Actuated Devices (CAD/PAD) service life, on-hand inventory, procurement lead-time, historical costs and projected contract delivery date. Funding is also required for Integrated Logistics, Reliability Life which tests the life of propellant, Production Engineering Support and lot acceptance testing. Quality Assurance and Product Improvement Programs are used to address second source qualification, address safety of design and quality manufacturing efforts. Obsolescence identifies and qualifies replacement propellants for CAD/PAD due to obsolescence of ingredients and/or diminishing sources of supply.

The yearly requirements are modeled based upon the active aircraft in the OPNAV A-II Aircraft Inventory Budget, which feeds into the CAD/PAD Requirements Determination Module (RDM). The RDM accounts for the changing number of aircraft, platform availability, and unique component service lives of all procured commodities and respective quantities, which vary from year to year.

OOC:
FY 2022 includes $2.010M in OOC execution.
FY 2023 includes $0.000M in OOC enacted budget.
FY 2024 includes $0.000M for the OOC budget request.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items Title:** Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Hardware-Stores Release & Hardware Safety (1)																				
1.1) T-6 (2)	A		-	-	-	-	-	-	-	-	8.687	-	-	8.777	-	-	-	-	-	8.777
1.2) T-38/F-5 (3)	A		-	-	-	-	-	-	-	-	6.417	-	-	6.511	-	-	-	-	-	6.511
1.3) V-22 (4)	A		-	-	-	-	-	-	-	-	7.317	-	-	7.650	-	-	-	-	-	7.650
1.4) AV-8B (5)	A		-	-	-	-	-	-	-	-	1.517	-	-	1.770	-	-	-	-	-	1.770
1.5) F/A-18 & EA-18 (6)	A		-	-	-	-	-	-	-	-	17.243	-	-	17.114	-	-	-	-	-	17.114
1.6) T-45 (7)	A		-	-	-	-	-	-	-	-	6.332	-	-	6.365	-	-	-	-	-	6.365
1.7) Other Platforms (8)	A		-	-	-	-	-	-	-	-	6.614	-	-	6.683	-	-	-	-	-	6.683
Subtotal: 1) Hardware-Stores Release & Hardware Safety			**-**	**-**	***0.000***	**-**	**-**	**-**	**-**	**-**	***54.127***	**-**	**-**	***54.870***	**-**	**-**	**-**	**-**	**-**	***54.870***
2) Hardware-Stores Release																				
2.1) (Q8090) JAU-22/ B Initiator CTG (MF64)	A		25.53	342,960	8.756	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)(†)	A		10.56	830,360	8.770	27.90	40,000	1.116	-	-	-	-	-	-	-	-	-	-	-	-
2.3) (Q8201) CCU-45 Impulse CTG (MD65)(†)	A		9.91	484,499	4.803	20.41	19,576	0.400	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Hardware-Stores Release			**-**	**-**	***22.329***	**-**	**-**	***1.516***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
3) Hardware Safety Devices (9)																				
3.1) (Q8060) Thermal Battery (CWDR)(†)	A		3,482.77	2,960	10.309	3,385.96	114	0.386	-	-	-	-	-	-	-	-	-	-	-	-
3.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29/JN30) - NSWC, Indian Head(†)	A		2,067.08	6,753	13.959	8,000.00	600	4.800	-	-	-	-	-	-	-	-	-	-	-	-
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)	A		3,671.92	9,894	36.330	4,194.97	795	3.335	-	-	-	-	-	-	-	-	-	-	-	-
3.4) (Q8071) MK 123 Underseat RCKT Motor (MT30)(†)	A		9,476.19	462	4.378	9,250.00	63	0.583	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items Title:** Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.5) (Q8081) MK 124 Underseat RCKT Motor (MT31)(†)	A		9,286.72	708	6.575	9,775.00	107	1.046	-	-	-	-	-	-	-	-	-	-	-	-
3.6) (Q8140) Aircrew/ Deck Crew Inflators FLU-8/12(FW98/JL09)	A		-	-	26.166	-	-	2.123	-	-	-	-	-	-	-	-	-	-	-	-
3.7) (Q8160) F-18 & T-45 Seat Primary/ Secondary	A		-	-	24.507	-	-	4.229	-	-	-	-	-	-	-	-	-	-	-	-
3.8) (Q8180) F-18 DFIRS	A		-	-	11.895	-	-	1.083	-	-	-	-	-	-	-	-	-	-	-	-
3.9) (Q8300) Navy Aircrew Common Ejection Seats	A		-	-	18.673	-	-	1.936	-	-	-	-	-	-	-	-	-	-	-	-
3.10) (Q8301) F-18E/ F/G & V-22 Fire Suppression Gas	A		-	-	35.935	-	-	5.277	-	-	-	-	-	-	-	-	-	-	-	-
3.11) (Q8302) T-6 Aircraft CAD/PADs	A		-	-	79.880	-	-	6.168	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) Hardware Safety Devices			**-**	**-**	***268.607***	**-**	**-**	***30.966***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
4) Hardware-Misc. Devices																				
4.1) (Q8600) Misc. Devices Under $500k	A		-	-	182.651	-	-	17.841	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Hardware-Misc. Devices			**-**	**-**	***182.651***	**-**	**-**	***17.841***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
5) (Q8800) Intergrated Logistics Support																				
5.1) Stores Release ILS	A		-	-	2.751	-	-	0.277	-	-	0.282	-	-	0.287	-	-	-	-	-	0.287
5.2) Safety ILS	A		-	-	9.358	-	-	0.907	-	-	0.925	-	-	0.943	-	-	-	-	-	0.943
5.3) Misc. Devices ILS	A		-	-	4.072	-	-	0.330	-	-	0.337	-	-	0.342	-	-	-	-	-	0.342
Subtotal: 5) (Q8800) Intergrated Logistics Support			**-**	**-**	***16.181***	**-**	**-**	***1.514***	**-**	**-**	***1.544***	**-**	**-**	***1.572***	**-**	**-**	**-**	**-**	**-**	***1.572***
6) (Q8820) Reliability Life																				
6.1) Stores Release Reliability Life	A		-	-	1.484	-	-	0.145	-	-	0.148	-	-	0.151	-	-	-	-	-	0.151
6.2) Safety Reliability Life	A		-	-	4.141	-	-	0.325	-	-	0.331	-	-	0.338	-	-	-	-	-	0.338
6.3) Misc. Devices Reliability Life	A		-	-	2.322	-	-	0.174	-	-	0.177	-	-	0.180	-	-	-	-	-	0.180
Subtotal: 6) (Q8820) Reliability Life			**-**	**-**	***7.947***	**-**	**-**	***0.644***	**-**	**-**	***0.656***	**-**	**-**	***0.669***	**-**	**-**	**-**	**-**	**-**	***0.669***
7) (Q8830) Production Engineering (10)																				
7.1) Stores Release PES	A		-	-	10.140	-	-	0.510	-	-	0.530	-	-	0.540	-	-	-	-	-	0.540

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items Title:** Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
7.2) Safety PES	A		-	-	41.397	-	-	4.681	-	-	4.747	-	-	4.852	-	-	-	-	-	4.852
7.3) Misc. Devices PES	A		-	-	11.482	-	-	1.070	-	-	1.085	-	-	1.106	-	-	-	-	-	1.106
Subtotal: 7) (Q8830) Production Engineering			**-**	**-**	***63.019***	**-**	**-**	***6.261***	**-**	**-**	***6.362***	**-**	**-**	***6.498***	**-**	**-**	**-**	**-**	**-**	***6.498***
8) (Q8840) Quality Assurance																				
8.1) Stores Release QA	A		-	-	1.484	-	-	0.142	-	-	0.155	-	-	0.159	-	-	-	-	-	0.159
8.2) Safety QA	A		-	-	5.116	-	-	0.482	-	-	0.488	-	-	0.497	-	-	-	-	-	0.497
8.3) Misc. Devices QA	A		-	-	2.232	-	-	0.183	-	-	0.184	-	-	0.188	-	-	-	-	-	0.188
Subtotal: 8) (Q8840) Quality Assurance			**-**	**-**	***8.832***	**-**	**-**	***0.807***	**-**	**-**	***0.827***	**-**	**-**	***0.844***	**-**	**-**	**-**	**-**	**-**	***0.844***
9) (Q8850) Product Improvement																				
9.1) Stores Release PIP	A		-	-	5.284	-	-	0.104	-	-	0.106	-	-	0.108	-	-	-	-	-	0.108
9.2) Safety PIP	A		-	-	25.232	-	-	3.060	-	-	3.125	-	-	3.130	-	-	-	-	-	3.130
9.3) Misc. Devices PIP	A		-	-	8.216	-	-	0.408	-	-	0.416	-	-	0.424	-	-	-	-	-	0.424
Subtotal: 9) (Q8850) Product Improvement			**-**	**-**	***38.732***	**-**	**-**	***3.572***	**-**	**-**	***3.647***	**-**	**-**	***3.662***	**-**	**-**	**-**	**-**	**-**	***3.662***
10) (Q8860) Acceptance Testing																				
10.1) Stores Release Acceptance Testing	A		-	-	5.483	-	-	0.504	-	-	0.514	-	-	0.523	-	-	-	-	-	0.523
10.2) Safety Acceptance Testing	A		-	-	13.695	-	-	0.844	-	-	0.861	-	-	0.879	-	-	-	-	-	0.879
10.3) Misc. Devices Acceptance Testing	A		-	-	8.779	-	-	0.618	-	-	0.630	-	-	0.643	-	-	-	-	-	0.643
Subtotal: 10) (Q8860) Acceptance Testing			**-**	**-**	***27.957***	**-**	**-**	***1.966***	**-**	**-**	***2.005***	**-**	**-**	***2.045***	**-**	**-**	**-**	**-**	**-**	***2.045***
11) (Q8870) Obsolescence																				
11.1) Stores Release Obsolescence	A		-	-	1.501	-	-	0.668	-	-	0.449	-	-	0.457	-	-	-	-	-	0.457
11.2) Safety Obsolescence	A		-	-	4.021	-	-	2.249	-	-	1.514	-	-	1.544	-	-	-	-	-	1.544
11.3) Misc. Devices Obsolescence	A		-	-	0.745	-	-	0.383	-	-	0.260	-	-	0.265	-	-	-	-	-	0.265
Subtotal: 11) (Q8870) Obsolescence			**-**	**-**	***6.267***	**-**	**-**	***3.300***	**-**	**-**	***2.223***	**-**	**-**	***2.266***	**-**	**-**	**-**	**-**	**-**	***2.266***
12) Prior Years																				
12.1) Prior Years Cumulative Funding	A		-	-	412.632	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 12) Prior Years			**-**	**-**	***412.632***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items Title:** Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Total			-	-	1,055.154	-	-	68.387	-	-	71.391	-	-	72.426	-	-	-	-	-	72.426

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) Hardware-Stores Release & Hardware Safety- Stores Release cartridges are utilized to release weapons and other stores from aircraft. This includes MF64, MT95/JM92, and MD65. Hardware Safety Items used in ejection seats to include thermal batteries, parachute deployed rocket motors, under seat rocket motors, aircrew and deck crew inflators, primary and secondary cartridges, DFIR doors, Navy Aircrew Common Ejection Seats (NACES), and Fire Suppression Gas Generators. Additional items procured under the hardware safety include Safety and arming devices, sequence controls, shielded mild detonating cords, initiators, thrusters, fire extinguisher cartridges, rocket motors, catapults, and more, are used in aircraft emergency escape and safety systems. These explosives/energetics have finite service lives and are replaced during scheduled maintenance. An aircraft may be grounded if a single one of these items does not meet service life recommendations and cannot be extended.

(2) 1.1) T-6 Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Under Seat Rocket Motor, Impulse Cartridge, Internal Canopy Mechanical Actuated Initiator, Seat Movement Mechanical Actuated Initiator, External Canopy Mechanical Actuated Initiator, Donor Assembly, Manifolds, Shielded Mild Detonating Cord Transfer Line, Holder Assembly, and Digital Inline Timers. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(3) 1.2) T-38/F-5 Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Under Seat Rocket Motor, Impulse Cartridge, Cartridge Actuated Initiator Internal Canopy Mechanical Actuated Initiator, Seat Movement Mechanical Actuated Initiator, External Canopy Mechanical Actuated Initiator, Donor Assembly, Digital Inline Timers and Small-Column Insulated Delay. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(4) 1.3) V-22 Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Internal Canopy Mechanical Actuated Initiator, External Canopy Mechanical Actuated Initiator, Gas Generators, Canopy and Hatch Shape Charge Assemblies, Thin Linear Explosive Ballistic Transfer Lines, Fire Extinguisher Cartridge and Impulse Cartridge. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(5) 1.4) AV-8B Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Mild detonating cord, Impulse Cartridge, Cartridge Actuated Delay Initiators, Cartridge Actuated Initiator, Rocket Motors, Flexible Confined Detonating Cord, and Ballistic Transfer Lines. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(6) 1.5) F/A-18 & EA-18 Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Thermal Battery, Under Seat Rocket Motor, Impulse Cartridge, Internal Canopy Mechanical Actuated Initiator, Seat Movement Mechanical Actuated Initiator, Gas Generator, Digital Inline Timers, Fire Extinguisher Cartridge, Small-Column Insulated Delay and Shielded Mild Detonating Cords. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(7) 1.6) T-45 Funding supports procurement of cartridge actuated and propellant actuated devices. Examples of items used on this aircraft include: Under Seat Rocket Motor, Impulse Cartridge, Internal Canopy Mechanical Actuated Initiator, Seat Movement Mechanical Actuated Initiator, Digital Inline Timers and Small-Column Insulated Delay. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(8) 1.7) Other Platforms Funding supports procurement of cartridge actuated and propellant actuated devices for all other platforms not specifically called out in the cost elements above. Devices consist of hundreds of unique components; the unit cost varies based on Economic Order Quantities, which vary from budget to budget for planned procurements. Fluctuations in requirements across the FYDP are based on the Fleet's actual need.

(9) BELOW THIS FOOTNOTE MARKS HOW CAD/PAD ITEMS WERE PREVIOUSLY BUDGETED PRIOR TO PB23. CADPAD Budget funds numerous small dollar items that are critical for readiness and aircrew safety. Fluctuations in the requirements across the FYDP are based on the Fleet's actual need. Requirements are determined using the number of active aircraft in the OPNAV A-II Aircraft Inventory Budget and then processed in the Requirements Determination Model which calculates the requirements using the unique service life data, on-hand inventory, procurement lead times, historical cost and projected contract delivery dates. This applies to (Q2070) MK 122 Parachute Deployment RCKT Motor (MT29), (Q8071) MK 123 Underseat RCKT Motor (MT30), (Q8081) MK 124 Underseat RCKT Motor (MT31), (Q8160) JAU-74 INIT / CCU-146 CTG (WB15/16), (Q8180) F-18 DIFRS (SR95/WB19), (Q8300) Navy Aircrew Common Ejection Seats, 2.10)(Q8301) F-18/E/F/G and V-22 Fire Suppression Gas, (Q8302) T-6A (JPATS).

(10)

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices	Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2) Hardware-Stores Release												
2.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)		2021	PYROTECHNIC SPECLIATIES / BYRON, GA	C / FP	NAVSUP	Mar 2021	Mar 2022	80,600	28.05	Y		Mar 2020
2.2) (Q8200) CCU-107 Impulse CTG (MT95/JM92)		2022	PYROTECHNIC SPECLIATIES / BYRON, GA	C / FP	NAVSUP	Mar 2022	Mar 2023	40,000	27.90	Y		Mar 2021
2.3) (Q8201) CCU-45 Impulse CTG (MD65)		2021	PYROTECHNIC SPECIALTIES / BYRON, GA	C / TBD	NAVSUP	Apr 2021	Apr 2022	19,576	17.88	Y		Oct 2020
2.3) (Q8201) CCU-45 Impulse CTG (MD65)	✓	2021	PYROTECHNIC SPECIALTIES / BYRON, GA	C / TBD	NAVSUP	Apr 2021	Apr 2022	13,577	10.00	Y		Oct 2020
2.3) (Q8201) CCU-45 Impulse CTG (MD65)		2022	PYROTECHNIC SPECIALTIES / BYRON, GA	C / TBD	NAVSUP	Apr 2022	Apr 2023	19,576	20.41	Y		Oct 2020
3) Hardware Safety Devices												
3.1) (Q8060) Thermal Battery (CWDR)		2018	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVSUP	Aug 2019	Aug 2020	71	2,450.00	Y		Oct 2017
3.1) (Q8060) Thermal Battery (CWDR)		2021	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVSUP	Apr 2021	Apr 2022	328	3,218.00	Y		Dec 2020
3.1) (Q8060) Thermal Battery (CWDR)		2022	MARTIN-BAKER A/ CRT C / MIDDLESEX GB	C / FP	NAVSUP	Apr 2022	Apr 2023	114	3,385.96	Y		Dec 2021
3.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29/JN30) - NSWC, Indian Head		2019	NSWC / Indian Head	WR	** NO PCO **	Mar 2019	Mar 2020	295	1,564.28	N	Feb 2019	
3.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29/JN30) - NSWC, Indian Head		2021	NSWC / Indian Head	WR	** NO PCO **	Mar 2021	Mar 2022	874	1,208.81	N	Feb 2021	
3.2) (Q2070) MK 122 Parachute Deploy RCKT (MT29/JN30) - NSWC, Indian Head		2022	NSWC / Indian Head	WR	** NO PCO **	Mar 2022	Mar 2023	600	8,000.00	N	Feb 2022	
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)		2019	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Apr 2021	30	4,806.62	Y		Oct 2018
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)	✓	2019	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Oct 2020	550	4,162.00	Y		Oct 2018
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)		2021	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2021	Apr 2022	1,345	4,624.00	Y		Oct 2020
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)	✓	2021	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2021	Apr 2022	419	4,622.28	Y		Oct 2020
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)(†)		2022	MARTIN-BAKER A/CRT C / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2022	Apr 2023	795	4,194.97	Y		Oct 2021

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0180 / Cartridge Actuated Devices/Propellant Act Devices	Aggregated Items: Cartridge Actuated Devices/Propellant Act Devices

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.4) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2019	MARTIN-BAKER A/ CFT C / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Apr 2020	51	8,435.07	Y		Oct 2018
3.4) (Q8071) MK 123 Underseat RCKT Motor (MT30)	✓	2019	MARTIN-BAKER A/ CFT C / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Apr 2020	8	8,285.74	Y		Oct 2018
3.4) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2021	MARTIN-BAKER A/ CFT C / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2021	Apr 2022	52	9,359.42	Y		Oct 2020
3.4) (Q8071) MK 123 Underseat RCKT Motor (MT30)		2022	MARTIN-BAKER A/ CFT C / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2022	Apr 2023	63	9,250.00	Y		Oct 2021
3.5) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2019	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Jun 2020	112	8,533.37	Y		Oct 2018
3.5) (Q8081) MK 124 Underseat RCKT Motor (MT31)	✓	2019	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / FP	NAVSUP	Apr 2019	Apr 2020	18	8,405.61	Y		Oct 2018
3.5) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2021	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2021	Jul 2022	87	9,278.49	Y		Oct 2020
3.5) (Q8081) MK 124 Underseat RCKT Motor (MT31)		2022	MARTIN-BAKER A/ CFT / MIDDLESEX, GB	C / IDIQ	NAVSUP	Apr 2022	Jul 2023	107	9,775.00	Y		Oct 2021

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items:** Cartridge Actuated Devices/Propellant Act Devices

Items (Units in Each)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
							Calendar Year 2019												Calendar Year 2020												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
3) Hardware Safety Devices																															
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)																															
Prior Years Deliveries: 7550																															
	4	2019	NAVY	30	0	30							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
✓	4	2019	NAVY	550	0	550							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	550
	4	2021	NAVY	1,345	0	1,345																									1,345
✓	4	2021	NAVY	419	0	419																									419
	4	2022	NAVY	795	0	795																									795
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items:** Cartridge Actuated Devices/Propellant Act Devices

Items (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
3) Hardware Safety Devices																															
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)																															
Prior Years Deliveries: 7550																															
	4	2019	NAVY	30	0	30	-	-	-	-	-	-	30																		0
✓	4	2019	NAVY	550	0	550	275	275																							0
	4	2021	NAVY	1,345	0	1,345							A -	-	-	-	-	-	-	-	-	-	-	-	455	47	-	-	-	-	843
✓	4	2021	NAVY	419	0	419							A -	-	-	-	-	-	-	-	-	-	-	-	419						0
	4	2022	NAVY	795	0	795																			A -	-	-	-	-	-	795
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items:** Cartridge Actuated Devices/Propellant Act Devices

Items (Units in Each)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
							Calendar Year 2023												Calendar Year 2024												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
3) Hardware Safety Devices																															
3.3) (Q2070) MK 122 Parachute Deploy RCKT (MT29)																															
Prior Years Deliveries: 7550																															
	4	2019	NAVY	30	30	0																									0
✓	4	2019	NAVY	550	550	0																									0
	4	2021	NAVY	1,345	502	843	-	-	-	-	-	843																			0
✓	4	2021	NAVY	419	419	0																									0
	4	2022	NAVY	795	0	795	-	-	-	-	-	-	455	340																	0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0180 / Cartridge Actuated Devices/Propellant Act Devices	**Aggregated Items:** Cartridge Actuated Devices/Propellant Act Devices

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	MARTIN-BAKER A/CRT C - MIDDLESEX, GB	100	500	1,500	0	7	12	19	0	7	12	19

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604270N, 0206138M, 0204161N

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1,651.636	56.249	107.300	104.529	0.000	104.529	91.904	94.056	120.740	127.890	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1,651.636	56.249	107.300	104.529	0.000	104.529	91.904	94.056	120.740	127.890	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1,651.636**	**56.249**	**107.300**	**104.529**	**0.000**	**104.529**	**91.904**	**94.056**	**120.740**	**127.890**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Air Expendable Countermeasures (AECM) line provides funding for procurement of countermeasure self-protection devices for all United States Navy (USN) and United States Marine Corps (USMC) tactical, rotary and other fixed-wing aircraft. AECM supports fleet aircrew training, readiness and operational combat requirements for all USN and USMC aircraft. Delivering airborne defensive electronic warfare self-protection solutions enables the global warfighter success against an evolving adversary. In FY 2022, AECM program began Common Carriage (CC) procurements to standardize countermeasures across all Services and increase operability across multiple platforms. The CC solution (square form factor) will permit aircraft to carry additional, more advanced countermeasures resulting in increased readiness/capability/lethality/survivability against current and emerging threat systems. CC will utilize Research, Development, Test & Evaluation, Navy, Program Element 0604270N, Project Unit 3309 and Aircraft Procurement, Navy, Modification, Program Element: 0204161N, Operational Safety Improvement Program (OSIP): 006-00. The AECM Program is divided into the following threat related groupings: (1) Active Jammers (2) Infrared (IR) Decoys (3) associated impulse cartridges (4) Chaff Countermeasures and (5) F-35 Countermeasures.

ACTIVE JAMMERS: Current Active Jammer is ALE-55 Fiber Optic Towed Decoy (FOTD). The FOTD, when integrated with the rest of the F/A-18E/F Electronic Warfare (EW) suite (i.e., ALQ-214, ALR-67(V)3, ALE-47, ALE-50) and with the associated cockpit controls, displays and other avionics, significantly improves the survivability of the host aircraft in a Radio Frequency (RF) threat environment. The FOTD is part of the Integrated Defensive Electronic Countermeasure (IDECM) Radio Frequency Countermeasure (RFCM) Block 3 (IB-3) program. FOTD was developed utilizing Research, Development, Test & Evaluation, Navy, Program Element 0604270N, Project Unit 2175. Dual Band Decoy (DBD) is a future active jammer with a development contract that awarded in FY 2019 and Engineering, Manufacturing Development (EMD) contract to be awarded in FY 2023. DBD will replace the ALE-55 FOTD and significantly improve F/A-18E/F survivability against emerging radar-guided threats. DBD will utilize Research, Development, Test & Evaluation, Navy (RDT&E,N), Program Element 0604270N, Project Unit 2175. DBD production will replace the FOTD in FY 2024. Active Expendable Device (AED) is a future free fall Advanced RF active jammer against current and advancing surface-to-air (SAM)/air-to-air (AAM) to provide aircrew with tailored solutions in a dense threat environment. AED replaces the legacy free fall GEN-X active jammer with a modern threat protection capability. Development began with US Army DoD Ordnance Technology Consortium (DOTC). Further development will continue in FY 2024 using Research, Development, Test & Evaluation, Navy (RDT&E,N), Program Element 0604270N, Project Unit 3309.

IR DECOYS: The MJU-32/38/49 are currently used by all aircraft, except the KC130J/T, UC-35D and F-35B/C, to provide self-protection from surface-to-air/air-to-air IR missiles. The MJU-61/64 are used on the KC-130J/T, UC-35D and F-35B/C aircraft to provide self-protection from SAM and AAM IR missiles. The SM875 is a dedicated, low cost training device. The MJU-57 provides a kinematic IR countermeasure to defeat specific Man-Portable Air Defense Systems (MANPADS) used on the F/A-18, MV-22, P-8, UC-12W and KC-130J. The MJU-66 is an advanced spectral countermeasure in support of KC-130J/T and UC-35D. The MJU-67 Multi-spectral flare provides an enhanced spectral signature required for USN/USMC aircraft self-protection against accelerated proliferation of advanced MANPADS. The procurement mix

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** 0604270N, 0206138M, 0204161N
Line Item MDAP/MAIS Code: N/A		

of CC (square form factor) and traditional (round form factor) countermeasures will vary as aircraft transition to square form factor dispensers. In the CC solution, MJU-76, MJU-77 and MJU-78 are equivalent to MJU-57, MJU-38 and MJU-67 respectively. In addition to these CC devices, MJU-61/64/66 are square form factor IR Decoys and procurements will continue to support the CC solution.

IMPULSE CARTRIDGES: Used to propel the self-protection devices away from the aircraft. The CCU-136 is used by all airframes except the KC-130J/T and UC-35D. The CCU-145 is used on KC-130J/T, UC-35D and F-35B/C. Impulse Cartridge procurements transition to CCU-145 to accommodate the CC solution for square form factor devices. The CCU-41 is used on F/A-18E/F for deploying ALE-50 Advanced Airborne Expendable Decoy (AAED).

CHAFF COUNTERMEASURES: The RR-129 is the operational device used on all USN/USMC aircraft platforms, except the USMC KC-130J/T, UC-35D and F-35B/C in a Radio Frequency (RF) threat environment. The RR-170 is the operational device procured in support of the KC-130J/T and UC-35D. The RR-144/188 are RF dedicated training devices that do not interfere with Federal Aviation Administration tracking radars. In the CC solution, RR-170 and RR-188 are equivalent to RR-129 and RR-144 respectively. RR-203 is a future Advanced RF passive countermeasure against current and advancing SAM and AAM to provide high scattering radar Cross Section (RCS) capability to platforms with common carriage square expendable form factor. Development began using Small Business Innovation Research (SBIR) program. Further development will continue in FY 2024 using Research, Development, Test & Evaluation, Navy (RDT&E,N), Program Element 0604270N, Project Unit 3309.

F-35 COUNTERMEASURES: PMA-272, operating under a PEO(JSF)-PEO(T) Memorandum of Agreement, procures F-35 countermeasures for all DoD and global participants under a combined contracting strategy to gain unit price efficiencies while meeting global operational requirements. F-35 Countermeasures includes unique countermeasures that provide self-protection for F-35 aircraft, specifically ALE-70 and MJU-68. In addition to F-35B/C unique countermeasures, MJU-64s are used for F-35B/C self-protection. The MJU-76 is a potential replacement for MJU-68. The MJU-61 serves as a low cost F-35B/C training device. The RR-198/AL is a chaff countermeasure addressing survivability against emerging advanced RF threats on F-35B/C aircraft and may be applied to other platforms in the future. The RR-199/AL is a dedicated, low cost chaff training device for F-35.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: 0604270N, 0206138M, 0204161N

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)	Quantity / Total Cost (Each) I ($ M)
P-40a	Air Expendable Countermeasures	P-5a, P-21			- / 1,651.636	- / 56.249	- / 107.300	- / 104.529	- / -	- / 104.529
P-40	**Total Gross/Weapon System Cost**				**- / 1,651.636**	**- / 56.249**	**- / 107.300**	**- / 104.529**	**- / 0.000**	**- / 104.529**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
In accordance with ORD: #512-88-89 dated 28 May 99, Air Expendable Countermeasures program is tasked with maintaining an operationally effective mixture of countermeasures that can degrade and/or neutralize the effectiveness of current and/or projected threats and provide pre-emptive, area and point source devices that must be compatible with Night Vision Goggles (NVG). ORD: #512-88-89 mandates Product Improvement Program (PIP) and Production Engineering Support (PES) to ensure expendables are cost effective, environmentally friendly and Hazards of Electromagnetic Radiation to Ordnance (HERO) safe. The AECM program buys to budget based on actual fleet usage, fleet forecasted usage and best-negotiated pricing against all airborne expendable types.

FY 2024 baseline funding is required to procure Active Jammers, IR Decoys, Impulse Cartridges, Chaff Countermeasures, F-35B/C Countermeasures and associated support for USN and USMC tactical, rotary and other fixed-wing aircraft to meet Fleet inventory level requirements, based on Naval Munitions Requirements Process (NMRP). These proven countermeasure devices provide pre-emptive or terminal and reactive self-protection solutions for all USN and USMC strike, assault, rotary wing, and other fixed wing aircraft from Radio Frequency (RF) or Infrared (IR) guided missile attack and other advanced threats.

FY 2024 baseline funding supports Dual Band Decoy (DBD), Common Carriage (CC), USMC multi-spectral flare requirements and F-35 Countermeasures inventory shortfalls. Dual Band Decoy (DBD) replaces the ALE-55 Fiber Optic Towed Decoy (FOTD) whose last procurement was in FY 2020. The DBD significantly improves F/A-18E/F survivability against emerging radar-guided threats. Procurements of square form factor IR Decoy devices (MJU-76, MJU-77 and MJU-78) as part of the CC solution will standardize countermeasures across Services and increase operability across multiple platforms to support initial fleet load out and buildup of inventory to established requirement level. Additionally, funding supports USMC procurements to address known shortfalls of round countermeasures to meet inventory requirements.

FY 2024 Baseline funding in the amount of $5.291 million is provided for the replenishment of the following types of countermeasure: $4.789 million for IR Decoys (19,143 qty), Impulse Cartridges (44,571 qty), Chaff (10,783 qty) and $0.502 million for associated Lot Acceptance Tests in support of Non-Enduring Operations.

OOC:
FY 2022 includes $6.528M in OOC execution.
FY 2023 includes $2.904M in OOC enacted budget.
FY 2024 includes $5.291M for the OOC budget request.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items Title: Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) ACTIVE JAMMERS																				
1.1) ALE-50 (AAED)	A		-	-	54.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ALE-55 (FOTD)	A		79,935.29	3,029	242.124	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) DUAL BAND DECOY(†)			-	-	-	-	-	-	195,617.73	93	18.192	171,298.47	117	20.042	-	-	-	171,298.47	117	20.042
1.4) DUAL BAND DECOY TECHNICAL SUPPORT	A		-	-	5.520	-	-	-	-	-	0.608	-	-	0.578	-	-	-	-	-	0.578
Subtotal: 1) ACTIVE JAMMERS			**-**	**-**	***301.739***	**-**	**-**	**-**	**-**	**-**	***18.800***	**-**	**-**	***20.620***	**-**	**-**	**-**	**-**	**-**	***20.620***
2) IR DECOYS																				
2.1) MJU-32 (2)(†)	A		102.22	634,816	64.892	-	-	-	-	-	-	89.73	6,002	0.539	-	-	-	89.73	6,002	0.539
2.2) MJU-38	A		136.44	316,485	43.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) MJU-49	A		563.39	370,391	208.673	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) MJU-55	A		-	-	20.105	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) MJU-57	A		320.88	238,913	76.663	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) MJU-61(†)	A		71.96	321,819	23.158	-	-	-	70.87	31,195	2.211	72.28	43,885	3.172	-	-	-	72.28	43,885	3.172
2.7) MJU-64(†)	A		90.02	197,725	17.800	87.74	17,255	1.514	-	-	-	91.27	5,642	0.515	-	-	-	91.27	5,642	0.515
2.8) MJU-66(†)	A		118.34	170,219	20.144	115.28	13,558	1.563	-	-	-	119.93	20,995	2.518	-	-	-	119.93	20,995	2.518
2.9) MJU-67 (3)(†)	A		381.39	148,267	56.547	351.48	5,766	2.027	358.50	29,900	10.719	365.67	28,282	10.342	-	-	-	365.67	28,282	10.342
2.10) MJU-76 (4)(†)	A		-	-	-	222.00	13,500	2.997	226.44	15,898	3.600	230.96	15,901	3.672	-	-	-	230.96	15,901	3.672
2.11) MJU-77(†)	A		-	-	-	88.50	15,120	1.338	90.26	19,940	1.800	92.06	19,940	1.836	-	-	-	92.06	19,940	1.836
2.12) MJU-78 (5)(†)	A		-	-	-	-	-	-	252.48	30,380	7.670	257.52	16,481	4.244	-	-	-	257.52	16,481	4.244
2.13) SM875	A		31.12	2,625,698	81.716	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) IR DECOYS			**-**	**-**	***612.878***	**-**	**-**	***9.439***	**-**	**-**	***26.000***	**-**	**-**	***26.838***	**-**	**-**	**-**	**-**	**-**	***26.838***
3) IMPULSE CARTRIDGES																				
3.1) CCU-41	A		8.33	6,000	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) CCU-136(†)	A		7.54	7,677,612	57.857	4.02	274,626	1.104	-	-	-	-	-	-	-	-	-	-	-	-
3.3) CCU-145 (6)(†)	A		6.51	1,439,579	9.365	5.21	96,983	0.505	5.29	518,400	2.742	5.39	152,571	0.822	-	-	-	5.39	152,571	0.822
Subtotal: 3) IMPULSE CARTRIDGES			**-**	**-**	***67.272***	**-**	**-**	***1.609***	**-**	**-**	***2.742***	**-**	**-**	***0.822***	**-**	**-**	**-**	**-**	**-**	***0.822***
4) CHAFF COUNTERMEASURES																				
4.1) RR-129(†)	A		12.99	620,872	8.065	14.59	73,408	1.071	14.88	67,339	1.002	15.17	57,600	0.874	-	-	-	15.17	57,600	0.874
4.2) RR-144	A		23.29	1,379,245	32.126	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) RR-170 (7)(†)	A		7.91	86,907	0.687	-	-	-	15.39	266,856	4.107	15.69	68,383	1.073	-	-	-	15.69	68,383	1.073
4.4) RR-188(†)	A		-	-	0.121	-	-	-	13.35	74,906	1.000	13.61	16,458	0.224	-	-	-	13.61	16,458	0.224

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items Title:** Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: 4) CHAFF COUNTERMEASURES			**-**	**-**	***40.999***	**-**	**-**	***1.071***	**-**	**-**	***6.109***	**-**	**-**	***2.171***	**-**	**-**	**-**	**-**	**-**	***2.171***
5) F-35 COUNTERMEASURES																				
5.1) ALE-70(†)	A		54,376.39	1,982	107.774	54,779.00	316	17.310	55,785.00	316	17.628	56,900.69	316	17.981	-	-	-	56,900.69	316	17.981
5.2) MJU-68(†)	A		1,952.66	36,965	72.180	2,024.00	6,514	13.184	2,299.00	8,632	19.845	2,344.00	8,461	19.833	-	-	-	2,344.00	8,461	19.833
5.3) MJU-69	A		2,242.67	2,081	4.667	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) CCU-168	A		327.87	2,257	0.740	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5) RR-198/AL(†)	A		87.18	1,927	0.168	90.21	8,000	0.722	92.26	2,749	0.254	94.10	6,823	0.642	-	-	-	94.10	6,823	0.642
5.6) RR-199/AL(†)	A		52.00	1,000	0.052	54.12	8,000	0.433	55.12	1,030	0.057	56.22	951	0.053	-	-	-	56.22	951	0.053
Subtotal: 5) F-35 COUNTERMEASURES			**-**	**-**	***185.581***	**-**	**-**	***31.649***	**-**	**-**	***37.784***	**-**	**-**	***38.509***	**-**	**-**	**-**	**-**	**-**	***38.509***
6) INTEGRATED LOGISTICS SUPPORT																				
6.1) ACTIVE JAMMERS			-	-	3.800	-	-	-	-	-	0.217	-	-	0.219	-	-	-	-	-	0.219
6.2) IR DECOYS			-	-	30.359	-	-	2.410	-	-	2.692	-	-	2.748	-	-	-	-	-	2.748
6.3) IMPULSE CARTRIDGES			-	-	1.832	-	-	0.051	-	-	0.052	-	-	0.053	-	-	-	-	-	0.053
6.4) CHAFF COUNTERMEASURES			-	-	1.425	-	-	-	-	-	0.056	-	-	0.057	-	-	-	-	-	0.057
6.5) F-35 COUNTERMEASURES			-	-	3.802	-	-	0.644	-	-	0.656	-	-	0.669	-	-	-	-	-	0.669
Subtotal: 6) INTEGRATED LOGISTICS SUPPORT			**-**	**-**	***41.218***	**-**	**-**	***3.105***	**-**	**-**	***3.673***	**-**	**-**	***3.746***	**-**	**-**	**-**	**-**	**-**	***3.746***
7) PRODUCTION ENGINEERING SUPPORT																				
7.1) ACTIVE JAMMERS			-	-	33.259	-	-	-	-	-	1.136	-	-	1.151	-	-	-	-	-	1.151
7.2) IR DECOYS			-	-	79.060	-	-	2.477	-	-	2.580	-	-	2.367	-	-	-	-	-	2.367
7.3) IMPULSE CARTRIDGES			-	-	6.089	-	-	0.179	-	-	0.182	-	-	0.185	-	-	-	-	-	0.185
7.4) CHAFF COUNTERMEASURES			-	-	3.082	-	-	-	-	-	0.056	-	-	0.057	-	-	-	-	-	0.057
7.5) F-35 COUNTERMEASURES			-	-	13.381	-	-	0.928	-	-	0.946	-	-	0.964	-	-	-	-	-	0.964
Subtotal: 7) PRODUCTION ENGINEERING SUPPORT			**-**	**-**	***134.871***	**-**	**-**	***3.584***	**-**	**-**	***4.900***	**-**	**-**	***4.724***	**-**	**-**	**-**	**-**	**-**	***4.724***
8) PRODUCT IMPROVEMENT PROGRAM																				
8.1) IR DECOYS			-	-	100.099	-	-	0.886	-	-	1.652	-	-	1.685	-	-	-	-	-	1.685
8.2) IMPULSE CARTRIDGES			-	-	12.893	-	-	-	-	-	0.051	-	-	0.052	-	-	-	-	-	0.052

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items Title:** Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
8.3) CHAFF COUNTERMEASURES			-	-	0.763	-	-	-	-	-	0.389	-	-	0.292	-	-	-	-	-	0.292
8.4) F-35 COUNTERMEASURES			-	-	0.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) PRODUCT IMPROVEMENT PROGRAM			**-**	**-**	***114.164***	**-**	**-**	***0.886***	**-**	**-**	***2.092***	**-**	**-**	***2.029***	**-**	**-**	**-**	**-**	**-**	***2.029***
9) ACCEPTANCE TEST & EVALUATION (8)																				
9.1) IR DECOYS (9)	A		-	-	125.521	-	-	4.264	-	-	3.912	-	-	3.829	-	-	-	-	-	3.829
9.2) IMPULSE CARTRIDGES			-	-	17.298	-	-	0.165	-	-	0.165	-	-	0.168	-	-	-	-	-	0.168
9.3) CHAFF COUNTERMEASURES (10)			-	-	5.696	-	-	-	-	-	0.134	-	-	0.136	-	-	-	-	-	0.136
9.4) F-35 COUNTERMEASURES			-	-	4.399	-	-	0.477	-	-	0.989	-	-	0.937	-	-	-	-	-	0.937
Subtotal: 9) ACCEPTANCE TEST & EVALUATION			**-**	**-**	***152.914***	**-**	**-**	***4.906***	**-**	**-**	***5.200***	**-**	**-**	***5.070***	**-**	**-**	**-**	**-**	**-**	***5.070***
Total			**-**	**-**	**1,651.636**	**-**	**-**	**56.249**	**-**	**-**	**107.300**	**-**	**-**	**104.529**	**-**	**-**	**-**	**-**	**-**	**104.529**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) (a) Unit cost for hardware in FY 2024 reflect either actual contract pricing or inflation of previous year's unit cost. (b) Deliveries funded by different fiscal year appropriations occasionally overlap (P21 Delivery Schedule) to ensure inventory goals are met without exceeding maximum production rates. (c) Program buys to budget based on actual fleet usage, fleet forecasted usage and best-negotiated pricing against all airborne expendable types. (d) Support funding levels may vary between Integrated Logistics Support (ILS), Production Engineering Support (PES), Product Improvement Program (PIP) and Acceptance Test and Evaluation (ATE) in accordance with yearly requirements to support program procurements, production and deliveries to meet fleet need.

(2) 2.1 (MJU-32) FY 2024 baseline includes $0.539 million in support of Non-Enduring Operations.

(3) 2.9 (MJU-67) FY 2024 baseline includes $2.142 million in support of Non-Enduring Operations.

(4) 2.10 (MJU-76) FY 2024 quantities increase to support NMRP requirement. Unit cost increase with inflation due to estimated organic government labor rates and raw material costs. Baseline includes $1.537 million in support of Non-Enduring Operations.

(5) 2.12 (MJU-78) FY 2024 baseline includes $0.162 million in support of Non-Enduring Operations.

(6) 3.3 (CCU-145) FY 2024 baseline includes $0.240 million in support of Non-Enduring Operations.

(7) 4.3 (RR-170) FY 2024 baseline includes $0.169 million in support of Non-Enduring Operations.

(8) 9 (ATE) Acceptance, Test and Evaluation funding varies annually based on countermeasure production deliveries and type of Navy Lot Acceptance Testing required.

(9) 9.1 (ATE IR Decoys) FY 2024 baseline includes $0.502 million in support of Non-Enduring Operations.

(10) 9.3 (ATE Chaff Countermeasures) FY 2024 funding added to support acceptance testing for Chaff Countermeasure procurements.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) ACTIVE JAMMERS												
1.3) DUAL BAND DECOY(†)		2023 (11)	TBD / TBD	C / FFP	NAVAIR	Jan 2024	Jun 2025	93	195,617.73	Y		Jun 2021
1.3) DUAL BAND DECOY(†)		2024 (12)	TBD / TBD	C / FFP	NAVAIR	Jan 2024	Jun 2025	117	171,298.47	Y		Jun 2021
2) IR DECOYS												
2.1) MJU-32 (2)		2019	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Sep 2020	Sep 2021	9,309	76.27	Y		Mar 2020
2.1) MJU-32 (2)		2020	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Sep 2020	Sep 2021	20,296	76.27	Y		Mar 2020
2.1) MJU-32 (2)	✓	2020	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Sep 2020	Sep 2021	70,112	76.27	Y		Mar 2020
2.1) MJU-32 (2)		2021	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Dec 2020	Dec 2021	1,835	76.27	Y		Mar 2020
2.1) MJU-32 (2)	✓	2021	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Dec 2020	Dec 2021	64,898	76.27	Y		Mar 2020
2.1) MJU-32 (2)		2024	Kilgore Flares Co. / Toone, TN	C / IDIQ	NAVSUP WSS	Jan 2024	Jan 2025	6,002	89.73	Y		Mar 2020
2.6) MJU-61	✓	2019	Armtec Countermeasures Co./Kilgore Flares Co. / Camden AR/Toone TN	C / IDIQ	NAVSUP WSS	Mar 2019	Jan 2020	28,063	70.02	Y		Feb 2018
2.6) MJU-61		2023	TBD / TBD	C / IDIQ	NAVSUP WSS	Mar 2023	Jan 2024	31,195	70.87	Y		Jul 2021
2.6) MJU-61		2024	TBD / TBD	C / IDIQ	NAVSUP WSS	Feb 2024	Dec 2024	43,885	72.28	Y		Jul 2021
2.7) MJU-64		2022 (13)	Alloy Surfaces Co. / Chester, PA	SS / FFP	NAVSUP WSS	Aug 2022	Aug 2023	17,255	87.74	Y		Aug 2021
2.7) MJU-64		2024 (14)	Alloy Surfaces Co. / Chester, PA	SS / FFP	NAVSUP WSS	Mar 2024	Mar 2025	5,642	91.27	Y		Oct 2023
2.8) MJU-66		2022 (15)	Alloy Surfaces Co. / Chester, PA	SS / FFP	NAVSUP WSS	Aug 2022	Aug 2023	13,558	115.28	Y		Aug 2021
2.8) MJU-66		2024 (16)	Alloy Surfaces Co. / Chester, PA	SS / FFP	NAVSUP WSS	Mar 2024	Mar 2025	20,995	119.93	Y		Oct 2023
2.9) MJU-67 (3)(†)		2022 (17)	Elbit Systems Ltd/ CAAA / Israel/Crane, IN	SS / IDIQ	SOCOM, Fort Eustis, Va	Sep 2022	Jan 2024	5,766	351.48	Y		May 2017
2.9) MJU-67 (3)(†)		2023 (18)	Elbit Systems Ltd/ CAAA / Israel/Crane, IN	SS / IDIQ	NAVSUP WSS	Jul 2023	Nov 2024	29,900	358.50	Y		Feb 2023
2.9) MJU-67 (3)(†)		2024	Elbit Systems Ltd/ CAAA / Israel/Crane, IN	SS / IDIQ	NAVSUP WSS	Mar 2024	Jul 2025	28,282	365.67	Y		Feb 2023
2.10) MJU-76 (4)		2022	Crane Army Ammunition Activity / Crane, IN	MIPR	CRANE, IN	Dec 2021	Dec 2023	13,500	222.00	Y		Dec 2021
2.10) MJU-76 (4)		2023 (19)	Crane Army Ammunition Activity / Crane, IN	MIPR	CRANE, IN	Feb 2023	Feb 2025	15,898	226.44	Y		Dec 2022
2.10) MJU-76 (4)		2024	Crane Army Ammunition Activity / Crane, IN	MIPR	CRANE, IN	Feb 2024	Feb 2026	15,901	230.96	Y		Dec 2023
2.11) MJU-77		2022	Crane Army Ammunition Activity / Crane, IN	MIPR	CRANE, IN	Dec 2021	Jun 2023	15,120	88.50	Y		Dec 2021
2.11) MJU-77		2023 (20)	TBD / TBD	C / IDIQ	NAVSUP WSS	Jul 2023	Jan 2025	19,940	90.26	Y		Jan 2023

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.11) MJU-77		2024	TBD / TBD	C / IDIQ	NAVSUP WSS	Feb 2024	Aug 2025	19,940	92.06	Y		Jan 2023
2.12) MJU-78 (5)		2023 (21)	Elbit Systems Ltd / Israel	SS / IDIQ	NAVSUP WSS	Jul 2023	Nov 2024	30,380	252.48	Y		Feb 2023
2.12) MJU-78 (5)		2024	Elbit Systems Ltd / Israel	SS / IDIQ	NAVSUP WSS	Mar 2024	Jul 2025	16,481	257.52	Y		Feb 2023
3) IMPULSE CARTRIDGES												
3.2) CCU-136		2022	Capco Inc. / Grand Junction, CO	C / IDIQ	NAVSUP WSS	Mar 2022	Nov 2022	274,626	4.02	Y		Jun 2017
3.3) CCU-145 (6)		2022	Capco Inc. / Grand Junction, CO	C / IDIQ	NAVSUP WSS	Mar 2022	Aug 2023	96,983	5.21	Y		Jun 2017
3.3) CCU-145 (6)		2023	Capco Inc. / Grand Junction, CO	C / IDIQ	NAVSUP WSS	Jan 2023	Jun 2024	518,400	5.29	Y		Jun 2017
3.3) CCU-145 (6)		2024	TBD / TBD	C / FFP	NAVSUP WSS	Mar 2024	Aug 2025	152,571	5.39	Y		Jun 2023
4) CHAFF COUNTERMEASURES												
4.1) RR-129		2022 (22)	Armtec Countermeasures Co. / Lillington, NC	C / IDIQ	NAVSUP WSS	Sep 2022	May 2023	73,408	14.59	Y		Jul 2020
4.1) RR-129		2023 (23)	Armtec Countermeasures Co. / Lillington, NC	C / IDIQ	NAVSUP WSS	May 2023	Jan 2024	67,339	14.88	Y		Jul 2020
4.1) RR-129		2024	TBD / TBD	C / IDIQ	NAVSUP WSS	May 2024	Jan 2025	57,600	15.17	Y		Apr 2023
4.3) RR-170 (7)		2023 (24)	Armtec Countermeasures Co. / Lillington, NC	C / IDIQ	NAVSUP WSS	Apr 2023	Dec 2023	266,856	15.39	Y		Jul 2020
4.3) RR-170 (7)		2024	TBD / TBD	C / IDIQ	NAVSUP WSS	May 2024	Jan 2025	68,383	15.69	Y		Apr 2023
4.4) RR-188		2023 (25)	Armtec Countermeasures Co. / Lillington, NC	C / IDIQ	NAVSUP WSS	Apr 2023	Dec 2023	74,906	13.35	Y		Jul 2020
4.4) RR-188		2024	Armtec Countermeasures Co. / Lillington, NC	C / IDIQ	NAVSUP WSS	May 2024	May 2024	16,458	13.61	Y		Apr 2023
5) F-35 COUNTERMEASURES												
5.1) ALE-70(†)		2020	BAE Systems / Nashua, NH	SS / FFP	NAVAIR	Apr 2020	May 2022	288	52,991.18	Y		Mar 2018
5.1) ALE-70(†)		2021	BAE Systems / Nashua, NH	SS / FFP	NAVAIR	Jan 2021	Feb 2023	516	53,802.00	Y		Mar 2018
5.1) ALE-70(†)		2022	BAE Systems / Nashua, NH	SS / FFP	NAVAIR	Jan 2022	Feb 2024	316	54,779.00	Y		Mar 2018
5.1) ALE-70(†)		2023	BAE Systems / Nashua, NH	SS / FFP	NAVAIR	Jan 2023	Feb 2025	316	55,785.00	Y		Mar 2018
5.1) ALE-70(†)		2024	BAE Systems / Nashua, NH	SS / FFP	NAVAIR	Jan 2024	Feb 2026	316	56,900.69	Y		Mar 2023
5.2) MJU-68(†)		2022	Chemring Australia / Lara, AU	SS / FFP	NAVAIR	Oct 2021	Oct 2022	6,514	2,024.00	Y		Feb 2021
5.2) MJU-68(†)		2023	Chemring Australia / Lara, AU	SS / FFP	NAVAIR	Oct 2022	Oct 2023	8,632	2,299.00	Y		Feb 2021
5.2) MJU-68(†)		2024	Chemring Australia / Lara, AU	SS / FFP	NAVAIR	Apr 2024	Apr 2025	8,461	2,344.00	Y		May 2023
5.5) RR-198/AL		2022	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	May 2022	May 2023	8,000	90.21	Y		Apr 2021

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures	Aggregated Items: Air Expendable Countermeasures (1)

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.5) RR-198/AL		2023	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	Feb 2023	Feb 2024	2,749	92.26	Y		Apr 2021
5.5) RR-198/AL		2024	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	Mar 2024	Mar 2025	6,823	94.10	Y		Sep 2023
5.6) RR-199/AL		2022	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	May 2022	May 2023	8,000	54.12	Y		Apr 2021
5.6) RR-199/AL		2023	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	Feb 2023	Feb 2024	1,030	55.12	Y		Apr 2021
5.6) RR-199/AL		2024	Armtec Countermeasures Co. / Lillington, NC	SS / FFP	NAVAIR	Mar 2024	Mar 2025	951	56.22	Y		Sep 2023

(†) indicates the presence of a P-21

Footnotes:

(11) 1.3 (Dual Band Decoy) FY 2023 Production contract award pushed to 2nd quarter FY 2024 due to delayed EMD contract initial award now projected for March FY 2023. Combined FY 2023 and FY 2024 contract procurements to regain program schedule.

(12) 1.3 (Dual Band Decoy) Combined FY 2023 and FY 2024 contract procurements to regain program schedule.

(13) 2.7 (MJU-64) FY 2022 contract award delay driven by change to single year contract after vendor withdrew proposal for 5-year IDIQ due to uncertainty in long term price of raw materials and future DoD procurements of pyrophoric countermeasures.

(14) 2.7 (MJU-64) FY 2024 updated to reflect the DoD sole producer of pyrophoric countermeasures planned procurement.

(15) 2.8 (MJU-66) FY 2022 contract award delay driven by change to single year contract after vendor withdrew proposal for 5-year IDIQ due to uncertainty in long term price of raw materials and future DoD procurements of pyrophoric countermeasures.

(16) 2.8 (MJU-66) FY 2024 updated to reflect the DoD sole producer of pyrophoric countermeasures planned procurement.

(17) 2.9 (MJU-67) FY 2022 planned contract award changed to accommodate other services procuring on SOCOM contract.

(18) 2.9 (MJU-67) FY 2023 contract award changed to 4th quarter since this device will award on same contract as MJU-78.

(19) 2.10 (MJU-76) FY 2023 changed to organic production in accordance with contracting service acquisition strategy.

(20) 2.11 (MJU-77) FY 2023 contract award changed to 4th quarter due to legal review process which delayed the RFP issue date.

(21) 2.12 (MJU-78) FY 2023 contract award changed to 4th quarter to allow time for contractor to address technical issues discovered during Critical Design Review and DCAA audit.

(22) 4.1 (RR-129) FY 2022 contract award changed to 4th quarter after only vendor to submit a proposal, withdrew proposal for 5-year IDIQ due to market volatility affecting supply chain, inflation in metal rates and labor cost increases. Program Office, Procurement Contracting Officer, and Legal resolved issue with an one-year IDIQ contract. Contract successfully awarded in Sep FY 2022.

(23) 4.1 (RR-129) FY 2023 contract award changed to 3rd quarter to accommodate international customers.

(24) 4.3 (RR-170) FY 2023 contract award changed to 3rd quarter FY 2023 to align schedule with other devices on Multi-Chaff contract.

(25) 4.4 (RR-188) FY 2023 contract award changed to 3rd quarter FY 2023 to accommodate international customers.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items:** Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
										Calendar Year 2019												Calendar Year 2020									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) ACTIVE JAMMERS																															
1.3) DUAL BAND DECOY																															
	5	2023	NAVY	.093	.000	.093																									.093
	5	2024	NAVY	.117	.000	.117																									.117
2) IR DECOYS																															
2.9) MJU-67 (3)																															
Prior Years Deliveries: 148267																															
	6	2022	NAVY	5.766	.000	5.766																									5.766
	6	2023	NAVY	29.900	.000	29.900																									29.900
	6	2024	NAVY	28.282	.000	28.282																									28.282
5) F-35 COUNTERMEASURES																															
5.1) ALE-70																															
Prior Years Deliveries: 1178																															
	7	2020	NAVY	.288	.000	.288																			A -	-	-	-	-	-	.288
	7	2020	AF (‡)	.756	.000	.756																			A -	-	-	-	-	-	.756
	7	**2020**	**Total**	**1.044**	**.000**	**1.044**																			**-**	**-**	**-**	**-**	**-**	**-**	**1.044**
	7	2021	NAVY	.516	.000	.516																									.516
	7	2021	AF (‡)	.780	.000	.780																									.780
	7	**2021**	**Total**	**1.296**	**.000**	**1.296**																									**1.296**
	7	2022	NAVY	.316	.000	.316																									.316
	7	2022	AF (‡)	.832	.000	.832																									.832
	7	**2022**	**Total**	**1.148**	**.000**	**1.148**																									**1.148**
	7	2023	NAVY	.316	.000	.316																									.316
	7	2023	AF (‡)	.888	.000	.888																									.888
	7	**2023**	**Total**	**1.204**	**.000**	**1.204**																									**1.204**
	7	2024	NAVY	.316	.000	.316																									.316
	7	2024	AF (‡)	.564	.000	.564																									.564
	7	**2024**	**Total**	**.880**	**.000**	**.880**																									**.880**
5.2) MJU-68																															
Prior Years Deliveries: 36965																															
	8	2022	NAVY	6.514	.000	6.514																									6.514
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
										Calendar Year 2019												Calendar Year 2020									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2022	AF (‡)	1.152	.000	1.152																									1.152
	8	**2022**	**Total**	**7.666**	**.000**	**7.666**																									**7.666**
	8	2023	NAVY	8.632	.000	8.632																									8.632
	8	2023	AF (‡)	1.152	.000	1.152																									1.152
	8	**2023**	**Total**	**9.784**	**.000**	**9.784**																									**9.784**
	8	2024	NAVY	8.461	.000	8.461																									8.461
	8	2024	AF (‡)	.696	.000	.696																									.696
	8	**2024**	**Total**	**9.157**	**.000**	**9.157**																									**9.157**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) ACTIVE JAMMERS																															
1.3) DUAL BAND DECOY																															
	5	2023	NAVY	.093	.000	.093																									.093
	5	2024	NAVY	.117	.000	.117																									.117
2) IR DECOYS																															
2.9) MJU-67 (3)																															
Prior Years Deliveries: 148267																															
	6	2022	NAVY	5.766	.000	5.766																								A -	5.766
	6	2023	NAVY	29.900	.000	29.900																									29.900
	6	2024	NAVY	28.282	.000	28.282																									28.282
5) F-35 COUNTERMEASURES																															
5.1) ALE-70																															
Prior Years Deliveries: 1178																															
	7	2020	NAVY	.288	.000	.288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.024	.024	.024	.024	.024	.168
	7	2020	AF (‡)	.756	.000	.756	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.063	.063	.063	.063	.063	.441
	7	**2020**	**Total**	**1.044**	**.000**	**1.044**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.087**	**.087**	**.087**	**.087**	**.087**	**.609**
	7	2021	NAVY	.516	.000	.516				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.516
	7	2021	AF (‡)	.780	.000	.780				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.780
	7	**2021**	**Total**	**1.296**	**.000**	**1.296**				**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.296**
	7	2022	NAVY	.316	.000	.316																A -	-	-	-	-	-	-	-	-	.316
	7	2022	AF (‡)	.832	.000	.832																A -	-	-	-	-	-	-	-	-	.832
	7	**2022**	**Total**	**1.148**	**.000**	**1.148**																**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.148**
	7	2023	NAVY	.316	.000	.316																									.316
	7	2023	AF (‡)	.888	.000	.888																									.888
	7	**2023**	**Total**	**1.204**	**.000**	**1.204**																									**1.204**
	7	2024	NAVY	.316	.000	.316																									.316
	7	2024	AF (‡)	.564	.000	.564																									.564
	7	**2024**	**Total**	**.880**	**.000**	**.880**																									**.880**
5.2) MJU-68																															
Prior Years Deliveries: 36965																															
	8	2022	NAVY	6.514	.000	6.514													A -	-	-	-	-	-	-	-	-	-	-	-	6.514
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2022	AF (‡)	1.152	.000	1.152													A -	-	-	-	-	-	-	-	-	-	-	-	1.152
	8	**2022**	**Total**	**7.666**	**.000**	**7.666**													**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7.666**
	8	2023	NAVY	8.632	.000	8.632																									8.632
	8	2023	AF (‡)	1.152	.000	1.152																									1.152
	8	**2023**	**Total**	**9.784**	**.000**	**9.784**																									**9.784**
	8	2024	NAVY	8.461	.000	8.461																									8.461
	8	2024	AF (‡)	.696	.000	.696																									.696
	8	**2024**	**Total**	**9.157**	**.000**	**9.157**																									**9.157**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) ACTIVE JAMMERS																															
1.3) DUAL BAND DECOY																															
	5	2023	NAVY	.093	.000	.093																A -	-	-	-	-	-	-	-	-	.093
	5	2024	NAVY	.117	.000	.117																A -	-	-	-	-	-	-	-	-	.117
2) IR DECOYS																															
2.9) MJU-67 (3)																															
Prior Years Deliveries: 148267																															
	6	2022	NAVY	5.766	.000	5.766	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.481	.481	.481	.481	.481	.481	.480	.480	.480	1.440
	6	2023	NAVY	29.900	.000	29.900										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.900
	6	2024	NAVY	28.282	.000	28.282																		A -	-	-	-	-	-	-	28.282
5) F-35 COUNTERMEASURES																															
5.1) ALE-70																															
Prior Years Deliveries: 1178																															
	7	2020	NAVY	.288	.120	.168	.024	.024	.024	.024	.024	.024	.024																		.000
	7	2020	AF (‡)	.756	.315	.441	.063	.063	.063	.063	.063	.063	.063																		.000
	7	**2020**	**Total**	**1.044**	**.435**	**.609**	**.087**	**.087**	**.087**	**.087**	**.087**	**.087**	**.087**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2021	NAVY	.516	.000	.516	-	-	-	-	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043	.043									.000
	7	2021	AF (‡)	.780	.000	.780	-	-	-	-	.030	.030	.030	.077	.077	.077	.077	.077	.077	.076	.076	.076									.000
	7	**2021**	**Total**	**1.296**	**.000**	**1.296**	**-**	**-**	**-**	**-**	**.073**	**.073**	**.073**	**.120**	**.120**	**.120**	**.120**	**.120**	**.120**	**.119**	**.119**	**.119**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2022	NAVY	.316	.000	.316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.028	.028	.028	.028	.028	.028	.028	.024	.096
	7	2022	AF (‡)	.832	.000	.832	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.070	.070	.070	.070	.069	.069	.069	.069	.276
	7	**2022**	**Total**	**1.148**	**.000**	**1.148**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.098**	**.098**	**.098**	**.098**	**.097**	**.097**	**.097**	**.093**	**.372**
	7	2023	NAVY	.316	.000	.316				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.316
	7	2023	AF (‡)	.888	.000	.888				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.888
	7	**2023**	**Total**	**1.204**	**.000**	**1.204**				**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.204**
	7	2024	NAVY	.316	.000	.316																A -	-	-	-	-	-	-	-	-	.316
	7	2024	AF (‡)	.564	.000	.564																A -	-	-	-	-	-	-	-	-	.564
	7	**2024**	**Total**	**.880**	**.000**	**.880**																**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.880**
5.2) MJU-68																															
Prior Years Deliveries: 36965																															
	8	2022	NAVY	6.514	.000	6.514	.543	.543	.543	.543	.543	.543	.543	.543	.543	.543	.542	.542													.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items:** Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2022	AF (‡)	1.152	.000	1.152	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096													.000
	8	**2022**	**Total**	**7.666**	**.000**	**7.666**	**.639**	**.639**	**.639**	**.639**	**.639**	**.639**	**.639**	**.639**	**.639**	**.639**	**.638**	**.638**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	8	2023	NAVY	8.632	.000	8.632	A -	-	-	-	-	-	-	-	-	-	-	-	.720	.720	.720	.720	.719	.719	.719	.719	.719	.719	.719	.719	.000
	8	2023	AF (‡)	1.152	.000	1.152	A -	-	-	-	-	-	-	-	-	-	-	-	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.096	.000
	8	**2023**	**Total**	**9.784**	**.000**	**9.784**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.816**	**.816**	**.816**	**.816**	**.815**	**.815**	**.815**	**.815**	**.815**	**.815**	**.815**	**.815**	**.000**
	8	2024	NAVY	8.461	.000	8.461																			A -	-	-	-	-	-	8.461
	8	2024	AF (‡)	.696	.000	.696																			A -	-	-	-	-	-	.696
	8	**2024**	**Total**	**9.157**	**.000**	**9.157**																			**-**	**-**	**-**	**-**	**-**	**-**	**9.157**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) ACTIVE JAMMERS																															
1.3) DUAL BAND DECOY																															
	5	2023	NAVY	.093	.000	.093	-	-	-	-	-	-	-	-	.008	.008	.008	.008	.008	.008	.008	.008	.008	.007	.007	.007					.000
	5	2024	NAVY	.117	.000	.117	-	-	-	-	-	-	-	-	.010	.010	.010	.010	.010	.010	.010	.010	.010	.009	.009	.009					.000
2) IR DECOYS																															
2.9) MJU-67 (3)																															
Prior Years Deliveries: 148267																															
	6	2022	NAVY	5.766	4.326	1.440	.480	.480	.480																						.000
	6	2023	NAVY	29.900	.000	29.900	-	2.492	2.492	2.492	2.492	2.492	2.492	2.492	2.492	2.491	2.491	2.491	2.491												.000
	6	2024	NAVY	28.282	.000	28.282	-	-	-	-	-	-	-	-	-	2.357	2.357	2.357	2.357	2.357	2.357	2.357	2.357	2.357	2.357	2.356	2.356				.000
5) F-35 COUNTERMEASURES																															
5.1) ALE-70																															
Prior Years Deliveries: 1178																															
	7	2020	NAVY	.288	.288	.000																									.000
	7	2020	AF (‡)	.756	.756	.000																									.000
	7	**2020**	**Total**	**1.044**	**1.044**	**.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2021	NAVY	.516	.516	.000																									.000
	7	2021	AF (‡)	.780	.780	.000																									.000
	7	**2021**	**Total**	**1.296**	**1.296**	**.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2022	NAVY	.316	.220	.096	.024	.024	.024	.024																					.000
	7	2022	AF (‡)	.832	.556	.276	.069	.069	.069	.069																					.000
	7	**2022**	**Total**	**1.148**	**.776**	**.372**	**.093**	**.093**	**.093**	**.093**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2023	NAVY	.316	.000	.316	-	-	-	-	.028	.028	.028	.028	.028	.028	.028	.024	.024	.024	.024	.024									.000
	7	2023	AF (‡)	.888	.000	.888	-	-	-	-	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074	.074									.000
	7	**2023**	**Total**	**1.204**	**.000**	**1.204**	**-**	**-**	**-**	**-**	**.102**	**.102**	**.102**	**.102**	**.102**	**.102**	**.102**	**.098**	**.098**	**.098**	**.098**	**.098**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	7	2024	NAVY	.316	.000	.316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.027	.027	.027	.027	.026	.026	.026	.026	.104
	7	2024	AF (‡)	.564	.000	.564	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.047	.047	.047	.047	.047	.047	.047	.047	.188
	7	**2024**	**Total**	**.880**	**.000**	**.880**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.074**	**.074**	**.074**	**.074**	**.073**	**.073**	**.073**	**.073**	**.292**
5.2) MJU-68																															
Prior Years Deliveries: 36965																															
	8	2022	NAVY	6.514	6.514	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2022	AF (‡)	1.152	1.152	.000																									.000
	8	**2022**	**Total**	**7.666**	**7.666**	**.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	8	2023	NAVY	8.632	8.632	.000																									.000
	8	2023	AF (‡)	1.152	1.152	.000																									.000
	8	**2023**	**Total**	**9.784**	**9.784**	**.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
	8	2024	NAVY	8.461	.000	8.461	-	-	-	-	-	-	.706	.705	.705	.705	.705	.705	.705	.705	.705	.705	.705	.705							.000
	8	2024	AF (‡)	.696	.000	.696	-	-	-	-	-	-	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058	.058							.000
	8	**2024**	**Total**	**9.157**	**.000**	**9.157**	**-**	**-**	**-**	**-**	**-**	**-**	**.764**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**.763**	**-**	**-**	**-**	**-**	**-**	**-**	**.000**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items:** Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2027												Fiscal Year 2028												BALANCE
										Calendar Year 2027												Calendar Year 2028									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) ACTIVE JAMMERS																															
1.3) DUAL BAND DECOY																															
	5	2023	NAVY	.093	.093	.000																									.000
	5	2024	NAVY	.117	.117	.000																									.000
2) IR DECOYS																															
2.9) MJU-67 (3)																															
Prior Years Deliveries: 148267																															
	6	2022	NAVY	5.766	5.766	.000																									.000
	6	2023	NAVY	29.900	29.900	.000																									.000
	6	2024	NAVY	28.282	28.282	.000																									.000
5) F-35 COUNTERMEASURES																															
5.1) ALE-70																															
Prior Years Deliveries: 1178																															
	7	2020	NAVY	.288	.288	.000																									.000
	7	2020	AF (‡)	.756	.756	.000																									.000
	7	**2020**	**Total**	**1.044**	**1.044**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	7	2021	NAVY	.516	.516	.000																									.000
	7	2021	AF (‡)	.780	.780	.000																									.000
	7	**2021**	**Total**	**1.296**	**1.296**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	7	2022	NAVY	.316	.316	.000																									.000
	7	2022	AF (‡)	.832	.832	.000																									.000
	7	**2022**	**Total**	**1.148**	**1.148**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	7	2023	NAVY	.316	.316	.000																									.000
	7	2023	AF (‡)	.888	.888	.000																									.000
	7	**2023**	**Total**	**1.204**	**1.204**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	7	2024	NAVY	.316	.212	.104	.026	.026	.026	.026																					.000
	7	2024	AF (‡)	.564	.376	.188	.047	.047	.047	.047																					.000
	7	**2024**	**Total**	**.880**	**.588**	**.292**	**.073**	**.073**	**.073**	**.073**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
5.2) MJU-68																															
Prior Years Deliveries: 36965																															
	8	2022	NAVY	6.514	6.514	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0182 / Air Expendable Countermeasures

Aggregated Items: Air Expendable Countermeasures (1)

Items (Units in Thousands)							Fiscal Year 2027												Fiscal Year 2028												BALANCE
										Calendar Year 2027												Calendar Year 2028									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2022	AF (‡)	1.152	1.152	.000																									.000
	8	**2022**	**Total**	**7.666**	**7.666**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	8	2023	NAVY	8.632	8.632	.000																									.000
	8	2023	AF (‡)	1.152	1.152	.000																									.000
	8	**2023**	**Total**	**9.784**	**9.784**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
	8	2024	NAVY	8.461	8.461	.000																									.000
	8	2024	AF (‡)	.696	.696	.000																									.000
	8	**2024**	**Total**	**9.157**	**9.157**	**.000**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**.000**
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0182 / Air Expendable Countermeasures	**Aggregated Items:** Air Expendable Countermeasures (1)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	TBD - TBD			TBD	0	4	17	21	0	0	0	0
2	Elbit Systems Ltd/CAAA - Israel/Crane, IN	4,600	60,000	72,000	0	12	16	28	0	6	16	22
3	BAE Systems - Nashua, NH	120	1,440	1,920	0	4	25	29	0	4	25	29
4	Chemring Australia - Lara, AU	15,000	69,210	138,240	0	7	12	19	0	1	12	13

(‡) Delivery rows marked with this symbol indicate that they are funded through a separate Line Item. See the respective components' exhibits for details, including the full delivery schedule.
"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	90.464	6.620	7.096	7.433	0.000	7.433	7.442	7.588	7.747	7.930	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	90.464	6.620	7.096	7.433	0.000	7.433	7.442	7.588	7.747	7.930	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**90.464**	**6.620**	**7.096**	**7.433**	**0.000**	**7.433**	**7.442**	**7.588**	**7.747**	**7.930**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Jet Assisted Take Off (JATO) / Rocket Assisted Take Off (RATO) are solid propellant rocket motors used in matched pairs to launch SubSonic Aerial Targets (SSATs) in support of fleet training wholeness initiative, and test and evaluation, JATO/RATO consists of the MK23 for use on the BQM-34 SSAT, MK 117 on the BQM-74 SSAT, MK85 on the BQM-177 SSAT, which is designated as an Acquisition Category (ACAT) IVM program.

JATO/RATO is required for use on various SSATs in support of fleet operational and joint exercise requirements during Combat System Ship Qualification Trials (CSSQT). Funding and quantities are in accordance with the fleet needs/fielding and to maintain inventory levels for fleet training and qualification usage in support of SSAT operations. Baseline funding is required for production engineering support, integrated logistics support, safety, product improvement, quality assurance and acceptance testing.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)	P-5a, P-21			- / 90.464	- / 6.620	- / 7.096	- / 7.433	- / -	- / 7.433
P-40	**Total Gross/Weapon System Cost**				**- / 90.464**	**- / 6.620**	**- / 7.096**	**- / 7.433**	**- / 0.000**	**- / 7.433**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding is required to support the procurement of Mk-85 rocket motors in matched pairs to launch subsonic aerial targets. The quantities are based on current and projected expenditures, ready for issue SSAT inventory, target operating site build capabilities, and maintaining inventory in accordance with OPNAV SSAT authorized allocation. FY 2024 also funds production support and other costs required in the production and acceptance of the Mk-85 rocket motors.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items Title:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) JATO / RATO																				
1.1) Mk 85 RATO(†)	A		13,530.86	1,296	17.536	13,219.47	434	5.737	13,513.04	460	6.216	13,813.04	460	6.354	-	-	-	13,813.04	460	6.354
1.2) Mk 117 MOD O ROCKET MOTORS(†)	A		3,137.41	16,600	52.081	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) JATO / RATO			**-**	**-**	***69.617***	**-**	**-**	***5.737***	**-**	**-**	***6.216***	**-**	**-**	***6.354***	**-**	**-**	**-**	**-**	**-**	***6.354***
2) Support																				
2.1) Production Support RATO (1)	A		-	-	2.998	-	-	0.853	-	-	0.847	-	-	1.052	-	-	-	-	-	1.052
2.2) Production Support JATO	A		-	-	0.430	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) OTHER COSTS	A		-	-	17.419	-	-	0.030	-	-	0.033	-	-	0.027	-	-	-	-	-	0.027
Subtotal: 2) Support			**-**	**-**	***20.847***	**-**	**-**	***0.883***	**-**	**-**	***0.880***	**-**	**-**	***1.079***	**-**	**-**	**-**	**-**	**-**	***1.079***
Total			**-**	**-**	**90.464**	**-**	**-**	**6.620**	**-**	**-**	**7.096**	**-**	**-**	**7.433**	**-**	**-**	**-**	**-**	**-**	**7.433**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) RATO Production Support: FY 2024 increase due to increased RATO manufacture engineering costs in production and acceptance testing and increased shipping/transportation costs.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) JATO / RATO												
1.1) Mk 85 RATO(†)		2021	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2020	Jul 2022	448	12,960.26	Y		
1.1) Mk 85 RATO(†)	✓	2021	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2020	Jul 2022	162	12,960.26	Y		
1.1) Mk 85 RATO(†)		2022	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2021	May 2023	434	13,219.47	Y		
1.1) Mk 85 RATO(†)		2023	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2022	May 2024	460	13,513.04	Y		
1.1) Mk 85 RATO(†)		2024	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Dec 2023	May 2025	460	13,813.04	Y		
1.2) Mk 117 MOD O ROCKET MOTORS		2020	NSWC INDIAN HEAD DIV / Indian Head, MD	PO	NSWC	Jan 2020	Jan 2022	143	6,350.00	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Items (Units in Each)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) JATO / RATO																															
1.1) Mk 85 RATO																															
Prior Years Deliveries: 686																															
	9	2021	NAVY	448	0	448															A -	-	-	-	-	-	-	-	-	-	448
✓	9	2021	NAVY	162	0	162															A -	-	-	-	-	-	-	-	-	-	162
	9	2022	NAVY	434	0	434																									434
	9	2023	NAVY	460	0	460																									460
	9	2024	NAVY	460	0	460																									460
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Items (Units in Each)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) JATO / RATO																															
1.1) Mk 85 RATO																															
Prior Years Deliveries: 686																															
	9	2021	NAVY	448	0	448	-	-	-	-	-	-	-	-	-	38	38	38	38	37	37	37	37	37	37	37	37				0
✓	9	2021	NAVY	162	0	162	-	-	-	-	-	-	-	-	-	13	13	13	13	14	14	14	14	14	14	13	13				0
	9	2022	NAVY	434	0	434			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36	36	36	36	36	254
	9	2023	NAVY	460	0	460															A -	-	-	-	-	-	-	-	-	-	460
	9	2024	NAVY	460	0	460																									460
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Items (Units in Each)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) JATO / RATO																															
1.1) Mk 85 RATO																															
Prior Years Deliveries: 686																															
	9	2021	NAVY	448	448	0																									0
✓	9	2021	NAVY	162	162	0																									0
	9	2022	NAVY	434	180	254	36	36	36	36	36	37	37																		0
	9	2023	NAVY	460	0	460	-	-	-	-	-	-	-	39	39	39	39	38	38	38	38	38	38	38	38						0
	9	2024	NAVY	460	0	460			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38	38	38	38	38	270
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

Items (Units in Each)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) JATO / RATO																															
1.1) Mk 85 RATO																															
Prior Years Deliveries: 686																															
	9	2021	NAVY	448	448	0																									0
✓	9	2021	NAVY	162	162	0																									0
	9	2022	NAVY	434	434	0																									0
	9	2023	NAVY	460	460	0																									0
	9	2024	NAVY	460	190	270	38	38	38	39	39	39	39																		0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0194 / Jet Assisted Take Off (JATOs)	**Aggregated Items:** Jet Assisted Take Off (JATOs)/Rocket Assisted Take Off (RATOs)

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NSWC INDIAN HEAD DIV - Indian Head, MD	200	500	6,000	0	3	18	21	0	3	17	20

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	455.889	25.923	20.471	30.871	0.000	30.871	29.999	30.576	31.274	32.001	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	455.889	25.923	20.471	30.871	0.000	30.871	29.999	30.576	31.274	32.001	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**455.889**	**25.923**	**20.471**	**30.871**	**0.000**	**30.871**	**29.999**	**30.576**	**31.274**	**32.001**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program procures 5"/54 ammunition fired from MK 45 gun installed on Cruiser and Destroyer combatant ships against air, surface, and shore targets. Ammunition items procured includes propelling charges, high-explosive projectiles, fuzes, and training rounds.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-5	1 / 5 Inch/54 Gun Ammunition	P-5a, P-21			- / 455.889	- / 25.923	- / 20.471	- / 30.871	- / 0.000	- / 30.871
P-40	**Total Gross/Weapon System Cost**				**- / 455.889**	**- / 25.923**	**- / 20.471**	**- / 30.871**	**- / 0.000**	**- / 30.871**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline funding procures propelling charges and training projectiles to sustain operational requirements.

Baseline program also funds Production Engineering and Gauge requirements for all 5"/54 ammunition. FY 2023 and FY 2024 Product Improvement Program will be used to address source of supply and ammunition obsolescence issues.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	455.889	25.923	20.471	30.871	0.000	30.871
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	455.889	25.923	20.471	30.871	0.000	30.871
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**455.889**	**25.923**	**20.471**	**30.871**	**0.000**	**30.871**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AC100 5"/54 AMMUNITION HARDWARE Cost																		
Recurring Cost																		
1.1.1) 5"54 CHG, PROP, CLEARING, MK65 (D296)	1,087.58	491	0.534	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) 5/54 CHG, PROP, FULL (D326)	909.40	74,327	67.593	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) 5"/54 CHG, PROP, FULL (DA65)(†) (1)	1,391.84	29,767	41.431	1,401.25	5,106	7.155	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) 5"54 PROJ, BLP/T (D349)(†) (2)	482.63	57,765	27.879	-	-	-	928.00	9,574	8.885	-	-	-	-	-	-	-	-	-
1.1.5) 5"/54 PROJ, MULTI OPTION FUZE (DA48)	1,941.27	28,944	56.188	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) MK187 MOD 0 PROJECTILE (DA53)	3,486.24	14,902	51.952	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) MK14 Tank	-	-	2.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) TRANSPORTATION ACCT CODE	-	-	3.846	-	-	0.216	-	-	0.225	-	-	0.225	-	-	-	-	-	0.225
1.1.9) PE/QA SMCA	-	-	1.559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.10) PRIOR YEARS CUMULATIVE FUNDING	-	-	25.388	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*278.410*	-	-	*7.371*	-	-	*9.110*	-	-	*0.225*	-	-	-	-	-	*0.225*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition	Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - AC100 5"/54 AMMUNITION HARDWARE Cost	**-**	**-**	***278.410***	**-**	**-**	***7.371***	**-**	**-**	***9.110***	**-**	**-**	***0.225***	**-**	**-**	**-**	**-**	**-**	***0.225***
Hardware - AC850 PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
2.1.1) PRODUCT IMPROVEMENT (3)	-	-	24.533	-	-	0.778	-	-	6.012	-	-	26.134	-	-	-	-	-	26.134
Subtotal: Recurring Cost	-	-	*24.533*	-	-	*0.778*	-	-	*6.012*	-	-	*26.134*	-	-	-	-	-	*26.134*
Subtotal: Hardware - AC850 PRODUCT IMPROVEMENT Cost	**-**	**-**	***24.533***	**-**	**-**	***0.778***	**-**	**-**	***6.012***	**-**	**-**	***26.134***	**-**	**-**	**-**	**-**	**-**	***26.134***
Hardware - AC893 RENOVATION COMPONENTS Cost																		
Recurring Cost																		
3.1.1) RENOVATION COMPONENTS	-	-	94.414	-	-	14.250	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*94.414*	-	-	*14.250*	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - AC893 RENOVATION COMPONENTS Cost	**-**	**-**	***94.414***	**-**	**-**	***14.250***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Hardware - AC894 GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
4.1.1) GAUGE REQUIREMENTS	-	-	4.698	-	-	0.371	-	-	0.371	-	-	0.371	-	-	-	-	-	0.371
Subtotal: Recurring Cost	-	-	*4.698*	-	-	*0.371*	-	-	*0.371*	-	-	*0.371*	-	-	-	-	-	*0.371*
Subtotal: Hardware - AC894 GAUGE REQUIREMENTS Cost	**-**	**-**	***4.698***	**-**	**-**	***0.371***	**-**	**-**	***0.371***	**-**	**-**	***0.371***	**-**	**-**	**-**	**-**	**-**	***0.371***
Hardware - (AC895) NON-STANDARD Cost																		
Non Recurring Cost																		
6.1.1) NON-STANDARD	-	-	2.286	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost	-	-	*2.286*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (AC895) NON-STANDARD Cost	**-**	**-**	***2.286***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Support - AC830 PRODUCTION ENGINEERING Cost																		
7.1) PRODUCTION ENGINEERING (4)	-	-	45.998	-	-	3.153	-	-	3.592	-	-	3.893	-	-	-	-	-	3.893

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition	Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
7.2) QCCCF PE Support	-	-	5.550	-	-	-	-	-	1.386	-	-	0.248	-	-	-	-	-	0.248
Subtotal: Support - AC830 PRODUCTION ENGINEERING Cost	**-**	**-**	***51.548***	**-**	**-**	***3.153***	**-**	**-**	***4.978***	**-**	**-**	***4.141***	**-**	**-**	**-**	**-**	**-**	***4.141***
Gross/Weapon System Cost	**-**	**-**	**455.889**	**-**	**-**	**25.923**	**-**	**-**	**20.471**	**-**	**-**	**30.871**	**-**	**-**	**0.000**	**-**	**-**	**30.871**

Remarks:

[Hardware] AC100: 5"54 Ammunition Hardware includes costs to procure components, load and assembly of complete rounds, and acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities are adjusted during year of execution.

[Hardware] AC850: Product Improvement engineering services and related efforts by government activities, the producing contractor or manufacturing installation, are executed to extend the useful military life of an item or to improve the item/address component obsolescence within the current performance envelope.

[Hardware] AC893: Renovation includes costs to procure upgraded components necessary to maximize fleet's tactical capabilities.

[Hardware] AC894: Gauge Requirements are for the procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts.

[Support Cost] AC830: Production engineering for engineering services to support new acquisition and in production ammunition.

(†) indicates the presence of a P-5a

Footnotes:

(1) AC100 FY 2023/FY 2024 DA65 1.1.3: Due to a FY 2023 funding reduction, difficulties sourcing raw steel material, and several significant failures at the manufacturing facility for Steel Cartridge Cases in fall of 2022, the Quad Cities Cartridge Case Facility is in the process of being placed into an orderly shutdown and transitioned back to the Army. The FY 2023 DA65 order is unexecutable as the funding reduction moved the order below the minimum sustainable rate and due to the inability to address issues at the production facility, there will not be product available to provide to manufacturer as GFP to support a FY 2023 DA65 new contract Award. Funds shifted to QCCCF PE [FY 2023 AC830] to perform the orderly shutdown and PIP [FY 2023 AC850] to start the investigation to qualify sources of supply for Brass Cartridge Cases. Remaining funds moved to increase production of D349 AC100 1.1.4 in FY 2023.

(2) AC100 FY 2023 D349 1.1.4: Funding moved from AC100 FY 2023 DA65 1.1.3 due to supply issues (Footnote 1) to acquire additional quantities. AC100 FY 2024 D349 1.1.4: FY 2024 D349 procurement will not be executable due to due to 5"/54 production line move from Scranton Army Ammunition Plant (SCAAP) to Rock Island Arsenal (RIA). Funds moved to PIP to investigate sources of supply and additional manufacturability processes for projectile bodies.

(3) AC850 PIP FY 2023: Funding moved from AC100 (footnote 1) to begin addressing source of supply issues for cartridge cases and projectile bodies. Cartridge cases were addressed above. US Army moving the projectile body production line from SCAAP to RIA after orders on current contract are complete. Funds in PIP for FY 2023 will be used to start investigating additional sources and methods of manufacture for 5 inch projectile bodies to regrow the industrial base. AC850 PIP FY 2024: Funding moved from AC100 (Footnote 2) to continue addressing source of supply issues for cartridge cases and projectile bodies discussed above.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(4) AC830 QCCCF PE FY 2023: Funding moved from AC100 FY 2023 DA65 1.1.3 (Footnote 1) to begin orderly facility shutdown and transition back to the Army. AC830 QCCCF PE FY 2024: Funding moved from AC100 FY 2024 DA65 1.1.3 (Footnote 2) to complete orderly facility shutdown and transition back to the Army.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0250 / 5 Inch/54 Gun Ammunition	Item Number / Title [DODIC]: 1 / 5 Inch/54 Gun Ammunition

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.3) 5"/54 CHG, PROP, FULL (DA65)(†)		2019 (5)	GDOTS/CCC / VALLEYFIELD, CANADA	C / FFP	NSWC IH	Oct 2018	Oct 2024	6,591	1,145.34	Y		Jun 2018
1.1.3) 5"/54 CHG, PROP, FULL (DA65)(†)		2020 (6)	GDOTS/CCC / VALLEYFIELD, CANADA	C / FFP	NSWC IH	Nov 2019	Oct 2024	4,131	1,556.69	Y		Jun 2018
1.1.3) 5"/54 CHG, PROP, FULL (DA65)(†)		2021 (7)	GDOTS/CCC / VALLEYFIELD, CANADA	C / FFP	NSWC IH	Apr 2021	Jan 2025	5,551	2,161.12	Y		Jun 2018
1.1.3) 5"/54 CHG, PROP, FULL (DA65)(†)		2022 (8)	GDOTS/CCC / VALLEYFIELD, CANADA	C / FFP	NSWC IH	Oct 2021	Jan 2025	5,106	1,401.25	Y		Jun 2018
1.1.4) 5"54 PROJ, BLP/T (D349)(†)		2020 (9)	NGDS / ROCKET CENTER, WV	C / FFP	NSWC IH	Mar 2020	Apr 2024	5,828	878.42	Y		Feb 2019
1.1.4) 5"54 PROJ, BLP/T (D349)(†)		2023 (10)	TBD / TBD	C / FFP	NSWC IH	Aug 2023	Sep 2025	9,574	928.00	Y		Mar 2023

(†) indicates the presence of a P-21

Footnotes:

(5) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume late 2022.

(6) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume late 2022.

(7) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume late 2022.

(8) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume late 2022.

(9) Delivery dates have been delayed due to a failed First Article Test at the production facility, and challenges sourcing additional raw material to produce the contract quantity.

(10) D349 production quantity increased in FY 2023 from shifted DA65 funds due to issues with Cartridge Case sourcing. RFP and Award pushed to later in FY 2023 to acccount for higher quantity and revised procurement strategy.

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition

Cost Elements (Units in Each)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
										Calendar Year 2019												Calendar Year 2020									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.3) 5"/54 CHG, PROP, FULL (DA65) (1)																															
Prior Years Deliveries: 13494																															
	1	2019	NAVY	6,591	0	6,591	A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,591
	1	2020	NAVY	4,131	0	4,131														A -	-	-	-	-	-	-	-	-	-	-	4,131
	1	2021	NAVY	5,551	0	5,551																									5,551
	1	2022	NAVY	5,106	0	5,106																									5,106
1.1.4) 5"54 PROJ, BLP/T (D349) (2)																															
Prior Years Deliveries: 51937																															
	2	2020	NAVY	5,828	0	5,828																		A -	-	-	-	-	-	-	5,828
	3	2023	NAVY	9,574	0	9,574																									9,574
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition

Cost Elements (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.3) 5"/54 CHG, PROP, FULL (DA65) (1)																															
Prior Years Deliveries: 13494																															
	1	2019	NAVY	6,591	0	6,591	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,591
	1	2020	NAVY	4,131	0	4,131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,131
	1	2021	NAVY	5,551	0	5,551							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,551
	1	2022	NAVY	5,106	0	5,106													A -	-	-	-	-	-	-	-	-	-	-	-	5,106
1.1.4) 5"54 PROJ, BLP/T (D349) (2)																															
Prior Years Deliveries: 51937																															
	2	2020	NAVY	5,828	0	5,828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,828
	3	2023	NAVY	9,574	0	9,574																									9,574
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition

Cost Elements (Units in Each)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.3) 5"/54 CHG, PROP, FULL (DA65) (1)																															
Prior Years Deliveries: 13494																															
	1	2019	NAVY	6,591	0	6,591	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,591
	1	2020	NAVY	4,131	0	4,131	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,131
	1	2021	NAVY	5,551	0	5,551	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,551
	1	2022	NAVY	5,106	0	5,106	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,106
1.1.4) 5"54 PROJ, BLP/T (D349) (2)																															
Prior Years Deliveries: 51937																															
	2	2020	NAVY	5,828	0	5,828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,000	2,828					0
	3	2023	NAVY	9,574	0	9,574											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	9,574
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition

Cost Elements (Units in Each)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.3) 5"/54 CHG, PROP, FULL (DA65) (1)																															
Prior Years Deliveries: 13494																															
	1	2019	NAVY	6,591	0	6,591	6,591																								0
	1	2020	NAVY	4,131	0	4,131	4,131																								0
	1	2021	NAVY	5,551	0	5,551	-	-	-	5,551																					0
	1	2022	NAVY	5,106	0	5,106	-	-	-	5,106																					0
1.1.4) 5"54 PROJ, BLP/T (D349) (2)																															
Prior Years Deliveries: 51937																															
	2	2020	NAVY	5,828	5,828	0																									0
	3	2023	NAVY	9,574	0	9,574	-	-	-	-	-	-	-	-	-	-	-	2,000	2,000	2,731	2,843										0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0250 / 5 Inch/54 Gun Ammunition	**Item Number / Title [DODIC]:** 1 / 5 Inch/54 Gun Ammunition

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GDOTS/CCC - VALLEYFIELD, CANADA	5,000	60,000	120,000	6	6	23	29	6	6	5	11
2	NGDS - ROCKET CENTER, WV	3,000	36,000	60,000	6	6	24	30	6	6	21	27
3	TBD - TBD	3,000	36,000	60,000	6	6	27	33	6	6	24	30

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	277.417	28.610	27.870	41.261	0.000	41.261	40.087	40.857	41.787	42.761	-	540.650
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	277.417	28.610	27.870	41.261	0.000	41.261	40.087	40.857	41.787	42.761	-	540.650
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**277.417**	**28.610**	**27.870**	**41.261**	**0.000**	**41.261**	**40.087**	**40.857**	**41.787**	**42.761**	**-**	**540.650**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program provides for intermediate caliber family of fixed ammunition for United States Navy and United States Coast Guard (USCG) use. The Navy's primary use for intermediate caliber ammunition is to engage both surface and air targets. USCG primary use is for drug interdiction, homeland defense, and Visit, Board, Search and Seize (VBSS). Intermediate caliber ammunition is currently employed on the Littoral Combat Ship (LCS), and the USCG National Security Cutter. It will be used on the USN Constellation-class Frigate and the USCG Offshore Patrol Cutter.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Intermediate Caliber Gun Ammo	P-5a, P-21			- / 277.417	- / 28.610	- / 27.870	- / 41.261	- / -	- / 41.261
P-40	**Total Gross/Weapon System Cost**				**- / 277.417**	**- / 28.610**	**- / 27.870**	**- / 41.261**	**- / 0.000**	**- / 41.261**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
57MM ammunition is used in the MK110 Gun to provide Anti Air Warfare, Anti Surface Warfare and Fast Attack Craft/Fast Attack In-Shore Craft (FAC/FAIC) defense on USN LCS, USCG Maritime Security Cutter Large (WMSL). The program will provide ammunition for the USN Constellation-class Frigate and USCG Offshore Patrol Cutter (OPC) platforms. Baseline program also funds Production Engineering and Gauge Requirements for all 57MM ammunition.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo	**Aggregated Items Title:** Intermediate Caliber Gun Ammo

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) AL100 TRANSPORTATION ACCOUNT CODE (1)																				
1.1) TRANSPORTATION ACCOUNT CODE	A		-	-	0.656	-	-	0.059	-	-	0.059	-	-	0.060	-	-	-	-	-	0.060
Subtotal: 1) AL100 TRANSPORTATION ACCOUNT CODE			**-**	**-**	***0.656***	**-**	**-**	***0.059***	**-**	**-**	***0.059***	**-**	**-**	***0.060***	**-**	**-**	**-**	**-**	**-**	***0.060***
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																				
2.1) CART., 57MM DUMMY, RAMMABLE (BA50)	A		441.94	844	0.373	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) CART., 57MM DUMMY, MK307 (BA31)(†)	A		1,705.00	200	0.341	2,500.00	600	1.500	-	-	-	-	-	-	-	-	-	-	-	-
2.3) CART., 57MM, 3P MK295 (BA22)	A		4,695.69	16,457	77.277	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) CART., 57MM TP (BA23) (2)(†)	A		2,042.11	27,615	56.393	727.88	28,254	20.566	750.23	6,000	4.501	-	-	-	-	-	-	-	-	-
2.5) CART 57MM ALaMO (HE-4G) (3)(†)	A		29,457.40	2,359	69.490	-	-	-	-	-	-	21,275.64	1,170	24.892	-	-	-	21,275.64	1,170	24.892
2.6) CART., 57MM, HE-PD (4)(†)	A		2,030.15	10,349	21.010	-	-	-	1,894.25	10,014	18.969	1,932.14	6,028	11.647	-	-	-	1,932.14	6,028	11.647
Subtotal: 2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE			**-**	**-**	***224.884***	**-**	**-**	***22.066***	**-**	**-**	***23.470***	**-**	**-**	***36.539***	**-**	**-**	**-**	**-**	**-**	***36.539***
3) AL830 PRODUCTION ENGINEERING (5)																				
3.1) PRODUCTION ENGINEERING	A		-	-	25.228	-	-	3.798	-	-	3.731	-	-	4.032	-	-	-	-	-	4.032
Subtotal: 3) AL830 PRODUCTION ENGINEERING			**-**	**-**	***25.228***	**-**	**-**	***3.798***	**-**	**-**	***3.731***	**-**	**-**	***4.032***	**-**	**-**	**-**	**-**	**-**	***4.032***
4) AL850 PRODUCT IMPROVEMENT																				
4.1) PRODUCT IMPROVEMENT (6)	A		-	-	25.562	-	-	2.587	-	-	0.500	-	-	0.510	-	-	-	-	-	0.510
Subtotal: 4) AL850 PRODUCT IMPROVEMENT			**-**	**-**	***25.562***	**-**	**-**	***2.587***	**-**	**-**	***0.500***	**-**	**-**	***0.510***	**-**	**-**	**-**	**-**	**-**	***0.510***
5) AL894 GAUGE REQUIREMENTS (7)																				
5.1) GAUGE REQUIREMENTS	A		-	-	1.087	-	-	0.100	-	-	0.110	-	-	0.120	-	-	-	-	-	0.120
Subtotal: 5) AL894 GAUGE REQUIREMENTS			**-**	**-**	***1.087***	**-**	**-**	***0.100***	**-**	**-**	***0.110***	**-**	**-**	***0.120***	**-**	**-**	**-**	**-**	**-**	***0.120***
Total			**-**	**-**	**277.417**	**-**	**-**	**28.610**	**-**	**-**	**27.870**	**-**	**-**	**41.261**	**-**	**-**	**-**	**-**	**-**	**41.261**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo	**Aggregated Items Title:** Intermediate Caliber Gun Ammo

Footnotes:

(1) AL100: Program provides for complete rounds and conducts acceptance testing of intermediate caliber ammunition. Procurement includes HE-4G, fuzed high explosive service ammunition, target practice ammunition, and dummy ammunition. Unit costs and quantities are adjusted during year of execution. Provides for cost associated with Transportation Account Code (TAC) that are for first destination of delivery of production items.

(2) FY 2023 procurement decreased slightly to maintain an economical unit cost while funding available for initial procurement of 2.6) CART., 57MM, HE-PD. FY 2024 procurment is eliminated to prioritize funding available for other hardware.

(3) FY 2023 procurement was eliminated due to FY 2023 funding reduction and to rework of acquisition documentation to comply with the new Navy Marine Corps Acquisition Regulation Supplement format for Individual Streamlined Acquisition Plans. FY 2024 procurement quantity was increased slightly to move program toward inventory wholeness.

(4) Following the FY 2023 overall reduction in hardware funding, increasing FY 2023 procurement quantity to provide the best value by offsetting some per-unit First Article Test costs associated with the start of the new contract. FY 2024 procurement quantity increased due to low inventory of this item.

(5) AL830: Provides production engineering services related to maintaining technical data, procuring ammunition, and testing ammunition for Government acceptance.

(6) PIP funding will be used to address component obsolescence during the lifecycle of the 57mm ALaMO Cartridge.

(7) AL894: Gauge Requirements - Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo	Aggregated Items: Intermediate Caliber Gun Ammo

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE												
2.2) CART., 57MM DUMMY, MK307 (BA31)		2022 (8)	BAE SYSTEMS INC / MINNESOTA	SS / FFP	NSWC-IH	Aug 2023	Aug 2025	600	2,500.00	Y		Mar 2023
2.4) CART., 57MM TP (BA23) (2)(†)		2020 (9)	GDOTS CANADA / CANADA	C / FFP	NSWC-IH	Sep 2020	Jul 2023	7,844	935.86	Y		Apr 2020
2.4) CART., 57MM TP (BA23) (2)(†)		2022 (10)	GDOTS CANADA / CANADA	C / FFP	NSWC-IH	Jan 2022	Sep 2023	28,254	727.88	Y		Apr 2020
2.4) CART., 57MM TP (BA23) (2)(†)		2023 (11)	GDOTS CANADA / CANADA	C / FFP	NSWC-IH	Feb 2023	Aug 2024	6,000	750.23	Y		Apr 2020
2.5) CART 57MM ALaMO (HE-4G) (3)(†)		2019 (12)	L-3 HARRIS / DALLAS, TX	SS / FFP	NAVSEA	May 2019	Mar 2023	834	32,657.07	Y		May 2018
2.5) CART 57MM ALaMO (HE-4G) (3)(†)		2020 (13)	L-3 HARRIS / DALLAS, TX	SS / FFP	NAVSEA	Apr 2020	Aug 2023	658	25,599.99	Y		May 2018
2.5) CART 57MM ALaMO (HE-4G) (3)(†)		2021	L-3 HARRIS / DALLAS, TX	SS / FFP	NAVSEA	Aug 2021	Oct 2023	867	29,306.80	Y		May 2018
2.5) CART 57MM ALaMO (HE-4G) (3)(†)		2024	TBD / TBD	C / FFP	NAVSEA	Mar 2024	Mar 2026	1,170	21,275.64	N	May 2023	Jun 2023
2.6) CART., 57MM, HE-PD (4)(†)		2018 (14)	CHEMRING ORDNANCE INC / PERRY, FL	C / FFP	NSWC-IH	Jan 2019	Aug 2023	1,370	1,500.00	Y		Sep 2018
2.6) CART., 57MM, HE-PD (4)(†)		2019 (15)	CHEMRING ORDNANCE INC / PERRY, FL	C / FFP	NSWC-IH	Jan 2019	Aug 2023	4,679	1,734.45	Y		Sep 2018
2.6) CART., 57MM, HE-PD (4)(†)		2023 (16)	TBD / TBD	C / FFP	NSWC-IH	Sep 2023	Sep 2025	10,014	1,894.25	Y		Mar 2023
2.6) CART., 57MM, HE-PD (4)(†)		2024	TBD / TBD	C / FFP	NSWC- IH	Nov 2023	Nov 2025	6,028	1,932.14	Y		Mar 2023

(†) indicates the presence of a P-21

Footnotes:

(8) FY 2022 Award was delayed for a rework of acquisition documentation to comply with the new Navy Marine Corps Acquisition Regulation Supplement format for Program Streamlined Acquisition Plans.

(9) First delivery was delayed after an unrelated accident caused a shutdown at the propelling charge manufacturer. Production has resumed.

(10) FY 2022 procurement increased due continuing need for 57mm training ammunition and to ensure inventory wholeness.

(11) Award date delayed slightly to combine award with a Foreign Military Sales order and maintain the most economical unit cost.

(12) Delivery delayed while the program corrected technical issues discovered during item testing.

(13) First delivery was delayed after an unrelated accident caused a shutdown at the propelling charge manufacturer.

(14) Delivery delayed while the technical team addresses fuze testing challenges.

(15) Delivery delayed while the technical team addresses fuze testing challenges.

(16) Award was delayed for a rework of acquisition documentation to comply with the new Navy Marine Corps Acquisition Regulation Supplement format for Program Streamlined Acquisition Plans.

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo	**Aggregated Items:** Intermediate Caliber Gun Ammo

Items (Units in Thousands)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
										Calendar Year 2019												Calendar Year 2020									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																															
2.4) CART., 57MM TP (BA23) [2]																															
Prior Years Deliveries: 19771																															
	10	2020	NAVY	7.844	.000	7.844																								A -	7.844
	10	2022	NAVY	28.254	.000	28.254																									28.254
	10	2023	NAVY	6.000	.000	6.000																									6.000
2.5) CART 57MM ALaMO (HE-4G) [3]																															
	11	2019	NAVY	.834	.000	.834								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.834
	11	2020	NAVY	.658	.000	.658																			A -	-	-	-	-	-	.658
	11	2021	NAVY	.867	.000	.867																									.867
	12	2024	NAVY	1.170	.000	1.170																									1.170
2.6) CART., 57MM, HE-PD [4]																															
Prior Years Deliveries: 4300																															
	14	2018	NAVY	1.370	.000	1.370				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.370
	14	2019	NAVY	4.679	.000	4.679				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.679
	13	2023	NAVY	10.014	.000	10.014																									10.014
	13	2024	NAVY	6.028	.000	6.028																									6.028
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo

Aggregated Items: Intermediate Caliber Gun Ammo

Items (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
							Calendar Year 2021												Calendar Year 2022												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																															
2.4) CART., 57MM TP (BA23) [2]																															
Prior Years Deliveries: 19771																															
	10	2020	NAVY	7.844	.000	7.844	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.844
	10	2022	NAVY	28.254	.000	28.254																A -	-	-	-	-	-	-	-	-	28.254
	10	2023	NAVY	6.000	.000	6.000																									6.000
2.5) CART 57MM ALaMO (HE-4G) [3]																															
	11	2019	NAVY	.834	.000	.834	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.834
	11	2020	NAVY	.658	.000	.658	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.658
	11	2021	NAVY	.867	.000	.867											A -	-	-	-	-	-	-	-	-	-	-	-	-	-	.867
	12	2024	NAVY	1.170	.000	1.170																									1.170
2.6) CART., 57MM, HE-PD [4]																															
Prior Years Deliveries: 4300																															
	14	2018	NAVY	1.370	.000	1.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.370
	14	2019	NAVY	4.679	.000	4.679	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.679
	13	2023	NAVY	10.014	.000	10.014																									10.014
	13	2024	NAVY	6.028	.000	6.028																									6.028
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo

Aggregated Items: Intermediate Caliber Gun Ammo

Items (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024													BALANCE
							Calendar Year 2023															Calendar Year 2024										
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																																
2.4) CART., 57MM TP (BA23) [2]																																
Prior Years Deliveries: 19771																																
	10	2020	NAVY	7.844	.000	7.844	-	-	-	-	-	-	-	-	-	4.000	3.844															.000
	10	2022	NAVY	28.254	.000	28.254	-	-	-	-	-	-	-	-	-	-	-	4.000	4.000	4.000	3.254	4.000	4.000	4.000	1.000							.000
	10	2023	NAVY	6.000	.000	6.000					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.000	2.000		.000
2.5) CART 57MM ALaMO (HE-4G) [3]																																
	11	2019	NAVY	.834	.000	.834	-	-	-	-	-	.500	.334																			.000
	11	2020	NAVY	.658	.000	.658	-	-	-	-	-	-	-	-	-	-	.500	.158														.000
	11	2021	NAVY	.867	.000	.867	-	-	-	-	-	-	-	-	-	-	-	-	.500	.367												.000
	12	2024	NAVY	1.170	.000	1.170																		A -	-	-	-	-	-	-		1.170
2.6) CART., 57MM, HE-PD [4]																																
Prior Years Deliveries: 4300																																
	14	2018	NAVY	1.370	.000	1.370	-	-	-	-	-	-	-	-	-	-	1.370															.000
	14	2019	NAVY	4.679	.000	4.679	-	-	-	-	-	-	-	-	-	-	2.616	2.063														.000
	13	2023	NAVY	10.014	.000	10.014												A -	-	-	-	-	-	-	-	-	-	-	-	-		10.014
	13	2024	NAVY	6.028	.000	6.028														A -	-	-	-	-	-	-	-	-	-	-		6.028
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0266 / Intermediate Caliber Gun Ammo

Aggregated Items: Intermediate Caliber Gun Ammo

Items (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) AL100 INTERMEDIATE CALIBER GUN AMMUNITION HARDWARE																															
2.4) CART., 57MM TP (BA23) [2]																															
Prior Years Deliveries: 19771																															
	10	2020	NAVY	7.844	7.844	.000																									.000
	10	2022	NAVY	28.254	28.254	.000																									.000
	10	2023	NAVY	6.000	6.000	.000																									.000
2.5) CART 57MM ALaMO (HE-4G) [3]																															
	11	2019	NAVY	.834	.834	.000																									.000
	11	2020	NAVY	.658	.658	.000																									.000
	11	2021	NAVY	.867	.867	.000																									.000
	12	2024	NAVY	1.170	.000	1.170	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.500	.500	.170					.000
2.6) CART., 57MM, HE-PD [4]																															
Prior Years Deliveries: 4300																															
	14	2018	NAVY	1.370	1.370	.000																									.000
	14	2019	NAVY	4.679	4.679	.000																									.000
	13	2023	NAVY	10.014	.000	10.014	-	-	-	-	-	-	-	-	-	-	-	4.000	4.000	2.014											.000
	13	2024	NAVY	6.028	.000	6.028	-	-	-	-	-	-	-	-	-	-	-	-	-	4.000	2.028										.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0266 / Intermediate Caliber Gun Ammo	**Aggregated Items:** Intermediate Caliber Gun Ammo

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GDOTS CANADA - CANADA	2,300	7,500	16,000	6	6	24	30	6	6	18	24
2	L-3 HARRIS - DALLAS, TX	500	5,000	10,000	6	3	14	17	6	3	12	15
3	TBD - TBD	500	5,000	10,000	6	6	24	30	6	3	18	21
4	TBD - TBD	10,000	12,000	30,000	6	6	24	30	6	5	19	24
5	CHEMRING ORDNANCE INC - PERRY, FL	10,000	12,000	30,000	6	6	24	30	6	6	20	26

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: 000

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	433.471	34.949	39.595	44.044	0.000	44.044	43.084	43.908	44.909	45.962	-	729.922
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	433.471	34.949	39.595	44.044	0.000	44.044	43.084	43.908	44.909	45.962	-	729.922
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**433.471**	**34.949**	**39.595**	**44.044**	**0.000**	**44.044**	**43.084**	**43.908**	**44.909**	**45.962**	**-**	**729.922**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program provides for Other Ship Gun Ammunition which consists of medium caliber types (20MM, 25MM, 30MM, 40MM). This supports Navy ships, and active and reserve ashore warfare forces including Naval Expeditionary Combat Command (NECC), Mobile Security Forces (MSF), fleet combat readiness groups, inshore undersea warfare groups and several other types of operational units. Program includes support for emergent anti-terrorism/force protection and homeland defense requirements.

Program provides for Other Ship Gun Ammunition support for Naval Special Warfare (NSW) service common munitions which are required to provide US Navy SEAL teams, NSW small tactical units and task groups, and Special Boat Teams with a fire power advantage, area target engagement, standoff and extended range capability, as well as an anti-armor capability. This includes medium caliber mortars (20MM - 81MM) and Javelin. These munitions provide NSW an essential force protection capability and increases the combat power of NSW tactical elements.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	34.892	39.595	44.044	-	44.044	43.084	43.908	44.909	45.962
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.057	-	-	-	-	-	-	-	-
Total: Secondary Distribution	**Quantity**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Total Obligation Authority	**34.949**	**39.595**	**44.044**	**-**	**44.044**	**43.084**	**43.908**	**44.909**	**45.962**

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: 000

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / Integrated Warfare Systems	P-5a, P-21			- / 378.907	- / 28.426	- / 32.914	- / 37.169	- / 0.000	- / 37.169
P-5	2 / Naval Special Warfare	P-5a			- / 54.564	- / 6.523	- / 6.681	- / 6.875	- / 0.000	- / 6.875
P-40	**Total Gross/Weapon System Cost**				**- / 433.471**	**- / 34.949**	**- / 39.595**	**- / 44.044**	**- / 0.000**	**- / 44.044**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding procures 20MM ammunition used for ship defense in MK15 Close-In Weapon System, 25MM ammunition used for Fast Attack Craft/Fast Attack In-Shore Craft (FAC/FIAC) defense in MK38 Machine Gun System on all platforms other than LPD and LCS, and 30MM ammunition used for FAC/FIAC defense in MK46 MOD 2 Gun Weapon System on LPD and LCS. Baseline funding also provides Production Engineering and Gauge requirements for 20MM, 25MM, and 30MM ammunition.

FY 2024 baseline funding procures grenades, 60mm mortar ammunition, and Javelin missile equipment. Baseline funding also provides Production Engineering for Naval Special Warfare (NSW).

OOC:
FY 2022 includes $0.200M in OOC execution.
FY 2023 includes $0.000M in OOC enacted budget.
FY 2024 includes $0.000M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	378.907	28.426	32.914	37.169	0.000	37.169
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	378.907	28.426	32.914	37.169	0.000	37.169
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**378.907**	**28.426**	**32.914**	**37.169**	**0.000**	**37.169**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - 25MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
1.1.1) CART., 25MM M APDS-T (A974)	94.02	45,000	4.231	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) CTG, 25MM, TP-T, M793 (A976)(†)	38.42	712,807	27.385	33.89	92,390	3.131	33.82	157,300	5.320	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*31.616*	-	-	*3.131*	-	-	*5.320*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - 25MM - (AG100) CARTRIDGES Cost	**-**	**-**	***31.616***	**-**	**-**	***3.131***	**-**	**-**	***5.320***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - 30MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
2.1.1) CART., 30MM APFSDS-T (AB51)	398.09	164,653	65.547	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) CART., 30MM TP-T LKD (AA90)(†) (1)	54.88	293,851	16.128	56.58	23,152	1.310	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) CARTRIDGE, 30MM X 173, LINKED (AB44)	131.83	290,442	38.289	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) Cart C-UAS, 30MM(†) (2)	1,000.00	3,000	3.000	-	-	0.000	1,133.00	5,654	6.406	1,070.00	10,418	11.147	-	-	0.000	1,070.00	10,418	11.147
Subtotal: Recurring Cost	-	-	*122.964*	-	-	*1.310*	-	-	*6.406*	-	-	*11.147*	-	-	*0.000*	-	-	*11.147*
Subtotal: Hardware - 30MM - (AG100) CARTRIDGES Cost	**-**	**-**	***122.964***	**-**	**-**	***1.310***	**-**	**-**	***6.406***	**-**	**-**	***11.147***	**-**	**-**	***0.000***	**-**	**-**	***11.147***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - 40MM - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CTG 40MM HEDP (B546)	43.82	81,106	3.554	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.2) CTG, 40MM, FIXED, PRAC., F/MK (B576)	15.36	1,363,866	20.945	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.3) CTG, 40MM, BLANK, SAL 200 GRAMS BRASS (B650)	43.88	27,918	1.225	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.4) CTG., 40MM M583A1 (B535)	44.18	31,460	1.390	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.5) CTG., 40MM, BLANK, SAL 50 GRAMS STEEL (B550)	55.87	6,300	0.352	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*27.466*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - 40MM - (AG100) CARTRIDGES Cost	**-**	**-**	***27.466***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - OTHER - (AG100) CARTRIDGES Cost																		
Recurring Cost																		
4.1.1) TRANSPORTATION ACCT CODE	-	-	4.304	-	-	0.200	-	-	0.324	-	-	0.315	-	-	0.000	-	-	0.315
4.1.2) PE/QA SMCA	-	-	2.914	-	-	0.276	-	-	0.262	-	-	0.261	-	-	0.000	-	-	0.261
Subtotal: Recurring Cost	-	-	*7.218*	-	-	*0.476*	-	-	*0.586*	-	-	*0.576*	-	-	*0.000*	-	-	*0.576*
Subtotal: Hardware - OTHER - (AG100) CARTRIDGES Cost	**-**	**-**	***7.218***	**-**	**-**	***0.476***	**-**	**-**	***0.586***	**-**	**-**	***0.576***	**-**	**-**	***0.000***	**-**	**-**	***0.576***
Hardware - (AG200) CARTRIDGES Cost																		
Recurring Cost																		
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)(†)	13.71	376,836	5.168	22.04	48,089	1.060	21.61	20,000	0.432	22.93	20,000	0.459	-	-	0.000	22.93	20,000	0.459
5.1.2) CART., 20MM MK 244 ELC (AA61)(†) (3)	35.13	4,517,134	158.708	37.88	396,000	14.999	44.06	339,769	14.970	44.94	468,000	21.032	-	-	0.000	44.94	468,000	21.032
Subtotal: Recurring Cost	-	-	*163.876*	-	-	*16.059*	-	-	*15.402*	-	-	*21.491*	-	-	*0.000*	-	-	*21.491*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - (AG200) CARTRIDGES Cost	**-**	**-**	***163.876***	**-**	**-**	***16.059***	**-**	**-**	***15.402***	**-**	**-**	***21.491***	**-**	**-**	***0.000***	**-**	**-**	***21.491***
Hardware - OTHER - (AG200) CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) PE/QA SMCA-AG200	-	-	1.177	-	-	0.004	-	-	0.206	-	-	0.184	-	-	0.000	-	-	0.184
Subtotal: Recurring Cost	-	-	*1.177*	-	-	*0.004*	-	-	*0.206*	-	-	*0.184*	-	-	*0.000*	-	-	*0.184*
Subtotal: Hardware - OTHER - (AG200) CARTRIDGES Cost	**-**	**-**	***1.177***	**-**	**-**	***0.004***	**-**	**-**	***0.206***	**-**	**-**	***0.184***	**-**	**-**	***0.000***	**-**	**-**	***0.184***
Hardware - (AG894) GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
7.1.1) GAUGE REQUIREMENTS	-	-	1.072	-	-	0.167	-	-	0.170	-	-	0.174	-	-	0.000	-	-	0.174
Subtotal: Recurring Cost	-	-	*1.072*	-	-	*0.167*	-	-	*0.170*	-	-	*0.174*	-	-	*0.000*	-	-	*0.174*
Subtotal: Hardware - (AG894) GAUGE REQUIREMENTS Cost	**-**	**-**	***1.072***	**-**	**-**	***0.167***	**-**	**-**	***0.170***	**-**	**-**	***0.174***	**-**	**-**	***0.000***	**-**	**-**	***0.174***
Hardware - Product Improvement Program (AG850) Cost																		
Recurring Cost																		
8.1.1) (AG850) Product Improvement Program [4]	-	-	4.039	-	-	4.432	-	-	2.500	-	-	1.000	-	-	0.000	-	-	1.000
Subtotal: Recurring Cost	-	-	*4.039*	-	-	*4.432*	-	-	*2.500*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - Product Improvement Program (AG850) Cost	**-**	**-**	***4.039***	**-**	**-**	***4.432***	**-**	**-**	***2.500***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Support - (AG830) PRODUCTION ENGINEERING Cost																		
9.1) PRODUCTION ENGINEERING	-	-	19.479	-	-	2.847	-	-	2.324	-	-	2.597	-	-	0.000	-	-	2.597
Subtotal: Support - (AG830) PRODUCTION ENGINEERING Cost	**-**	**-**	***19.479***	**-**	**-**	***2.847***	**-**	**-**	***2.324***	**-**	**-**	***2.597***	**-**	**-**	***0.000***	**-**	**-**	***2.597***
Gross/Weapon System Cost	**-**	**-**	**378.907**	**-**	**-**	**28.426**	**-**	**-**	**32.914**	**-**	**-**	**37.169**	**-**	**-**	**0.000**	**-**	**-**	**37.169**

Remarks:
[Hardware] AG100/AG200: INTEGRATED WARFARE SYSTEMS - Provides all up rounds and acceptance testing. Unit costs and quantities are adjusted during year of execution. Provides for Transportation Account Code (TAC) first destination delivery of production items and Single Manager Conventional Ammunition (SMCA) related costs.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

[Hardware] AG894: GAUGE REQUIREMENTS - Provides for procurement of gauges, auxiliary and test equipment, and support costs necessary for ammunition metrology to check critical dimensions/ parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance

[Support Cost] AG830: PRODUCTION ENGINEERING - Provides for production engineering services to support new acquisition and in production ammunition.

(†) indicates the presence of a P-5a

Footnotes:

(1) FY 2022 Unit price decrease attributed to awarding a USN procurement with an FMS procurement.

(2) FY 2023 to FY 2024 unit cost decrease due to increased quantities in FY 2024.

(3) FY 2022 Unit price decrease attributed to awarding a USN procurement with an FMS procurement. FY 2023 Due to a FY 2023 funding reduction of $3.112M, order quantity was reduced from 410k units to 340k units.

(4) FY 2024 Product Improvement Program (PIP) funds will be used to qualify to joint service counter unmanned aerial system cartridges for Navy use.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.2) CTG, 25MM, TP-T, M793 (A976)(†)		2022	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	JMC ROCK ISLAND	Mar 2022	May 2023	92,390	33.89	Y		Oct 2017
1.1.2) CTG, 25MM, TP-T, M793 (A976)(†)		2023	GD/NGIS / MARION, IL/LAKE CITY, MO	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	157,300	33.82	Y		Oct 2017
2.1.2) CART., 30MM TP-T LKD (AA90)		2022 (5)	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	JMC ROCK ISLAND	Jul 2022	Jan 2024	23,152	56.58	Y		May 2020
2.1.4) Cart C-UAS, 30MM(†)		2021	AMERICAN RHEINMETALL MUNITIONS (ARM) / STAFFORD, VA	C / FFP	NSWC DD	Mar 2022	Mar 2023	1,931	1,553.60	Y		Dec 2020
2.1.4) Cart C-UAS, 30MM(†)		2023	AMERICAN RHEINMETALL MUNITIONS (ARM) / STAFFORD, VA	C / FFP	NSWC DD	Mar 2023	Sep 2024	5,654	1,133.00	Y		Dec 2020
2.1.4) Cart C-UAS, 30MM(†)		2024 (6)	AMERICAN RHEINMETALL MUNITIONS (ARM) / STAFFORD, VA	C / FFP	NSWC DD	Mar 2024	Sep 2025	10,418	1,070.00	Y		Dec 2020
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2021	RTI TECHNOLOGIES / COLUMBIA, CT.	C / FFP	NSWC IHD	Sep 2021	Dec 2023	50,000	19.32	Y		Nov 2018
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2022	RTI TECHNOLOGIES / COLUMBIA, CT.	C / FFP	NSWC IHD	Jun 2022	Dec 2023	48,089	22.04	Y		Nov 2021
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2023	RTI TECHNOLOGIES / COLUMBIA, CT.	C / FFP	NSWC IHD	Mar 2023	Mar 2025	20,000	21.61	Y		Nov 2021
5.1.1) CART., 20MM DUMMY, M51A4N (AA20)		2024	RTI TECHNOLOGIES / COLUMBIA, CT.	C / FFP	NSWC IH	Mar 2024	Mar 2026	20,000	22.93	Y		Nov 2021
5.1.2) CART., 20MM MK 244 ELC (AA61)(†)		2022 (7)	NGIS / Lake City, MO	C / FFP	JMC ROCK ISLAND	Jul 2022	Jan 2024	396,000	37.88	Y		Oct 2017
5.1.2) CART., 20MM MK 244 ELC (AA61)(†)		2023	GD-OTS AND NGIS / MARION, IL AND LAKE CITY, MO	C / FFP	JMC ROCK ISLAND	May 2023	Aug 2025	339,769	44.06	Y		Oct 2017
5.1.2) CART., 20MM MK 244 ELC (AA61)(†)		2024	TBD / TBD	C / FFP	JMC ROCK ISLAND	Oct 2023	Jan 2026	468,000	44.94	Y		Mar 2023

(†) indicates the presence of a P-21

Footnotes:

(5) FY 2022 Unit price decrease attributed to awarding a USN procurement with an FMS procurement.

(6) FY 2023 to FY 2024 unit cost decrease due to increased quantities in FY 2024.

(7) FY 2022 Unit price decrease attributed to awarding a USN procurement with an FMS procurement.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.2) CTG, 25MM, TP-T, M793 (A976)																															
Prior Years Deliveries: 712807																															
	1	2022	NAVY	92.390	.000	92.390																		A -	-	-	-	-	-	-	92.390
	2	2023	NAVY	157.300	.000	157.300																									157.300
2.1.4) Cart C-UAS, 30MM [2]																															
Prior Years Deliveries: 1069																															
	3	2021	NAVY	1.931	.000	1.931																		A -	-	-	-	-	-	-	1.931
	3	2023	NAVY	5.654	.000	5.654																									5.654
	3	2024	NAVY	10.418	.000	10.418																									10.418
5.1.2) CART., 20MM MK 244 ELC (AA61) [3]																															
Prior Years Deliveries: 4517134																															
	4	2022	NAVY	396.000	.000	396.000																						A -	-	-	396.000
	5	2023	NAVY	339.769	.000	339.769																									339.769
	6	2024	NAVY	468.000	.000	468.000																									468.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.2) CTG, 25MM, TP-T, M793 (A976)																															
Prior Years Deliveries: 712807																															
	1	2022	NAVY	92.390	.000	92.390	-	-	-	-	-	-	-	80.000	12.390																.000
	2	2023	NAVY	157.300	.000	157.300						A -	-	-	-	-	-	-	-	-	-	-	-	80.000	77.300						.000
2.1.4) Cart C-UAS, 30MM (2)																															
Prior Years Deliveries: 1069																															
	3	2021	NAVY	1.931	.000	1.931	-	-	-	-	-	1.500	.431																		.000
	3	2023	NAVY	5.654	.000	5.654						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.500	4.154
	3	2024	NAVY	10.418	.000	10.418																		A -	-	-	-	-	-	-	10.418
5.1.2) CART., 20MM MK 244 ELC (AA61) (3)																															
Prior Years Deliveries: 4517134																															
	4	2022	NAVY	396.000	.000	396.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.000	60.000	60.000	60.000	60.000	60.000	36.000			.000
	5	2023	NAVY	339.769	.000	339.769								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	339.769
	6	2024	NAVY	468.000	.000	468.000													A -	-	-	-	-	-	-	-	-	-	-	-	468.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.2) CTG, 25MM, TP-T, M793 (A976)																															
Prior Years Deliveries: 712807																															
	1	2022	NAVY	92.390	92.390	.000																									.000
	2	2023	NAVY	157.300	157.300	.000																									.000
2.1.4) Cart C-UAS, 30MM (2)																															
Prior Years Deliveries: 1069																															
	3	2021	NAVY	1.931	1.931	.000																									.000
	3	2023	NAVY	5.654	1.500	4.154	1.500	1.500	1.154																						.000
	3	2024	NAVY	10.418	.000	10.418	-	-	-	-	-	-	-	-	-	-	-	10.418													.000
5.1.2) CART., 20MM MK 244 ELC (AA61) (3)																															
Prior Years Deliveries: 4517134																															
	4	2022	NAVY	396.000	396.000	.000																									.000
	5	2023	NAVY	339.769	.000	339.769	-	-	-	-	-	-	-	-	-	-	60.000	60.000	60.000	60.000	60.000	39.769									.000
	6	2024	NAVY	468.000	.000	468.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.000	60.000	60.000	60.000	60.000	60.000	60.000	48.000		.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	GENERAL DYNAMICS OTS - MARION, IL	5,000	840,000	1,700,000	6	6	16	22	6	6	12	18
2	GD/NGIS - MARION, IL/ LAKE CITY, MO	5,000	840,000	1,700,000	6	6	16	22	6	6	12	18
3	AMERICAN RHEINMETALL MUNITIONS (ARM) - STAFFORD, VA	1,000	1,500	11,000	6	6	18	24	6	6	12	18
4	NGIS - Lake City, MO	5,000	840,000	1,700,000	6	6	12	18	6	6	16	22
5	GD-OTS AND NGIS - MARION, IL AND LAKE CITY, MO	5,000	840,000	1,700,000	6	6	27	33	6	6	16	22
6	TBD - TBD	5,000	840,000	1,700,000	6	6	24	30	6	6	18	24

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	54.564	6.523	6.681	6.875	0.000	6.875
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	54.564	6.523	6.681	6.875	0.000	6.875
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**54.564**	**6.523**	**6.681**	**6.875**	**0.000**	**6.875**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AGNSW PE/QA SMCA Cost																		
Recurring Cost																		
1.1.1) AGNSW PE/QA SMCA [8]	-	-	2.462	-	-	0.511	-	-	0.434	-	-	0.621	-	-	0.000	-	-	0.621
Subtotal: Recurring Cost	-	-	*2.462*	-	-	*0.511*	-	-	*0.434*	-	-	*0.621*	-	-	*0.000*	-	-	*0.621*
Subtotal: Hardware - AGNSW PE/QA SMCA Cost	**-**	**-**	***2.462***	**-**	**-**	***0.511***	**-**	**-**	***0.434***	**-**	**-**	***0.621***	**-**	**-**	***0.000***	**-**	**-**	***0.621***
Hardware - AGNSW Hardware Cost																		
Recurring Cost																		
2.1.1) CTG, 60MM, FULL RANGE PRACTICE, M769 (BA15)	-	-	1.043	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) C868 81MM HE M821A2	-	-	2.534	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) C869 81MM HE M889A1	-	-	0.301	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) CTG., 40MM PRACTICE M781 f/ M203 Gren Launcher (B519)	-	-	0.693	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.5) CTG 40MM PRACTICE M395A1 (B576)	-	-	2.337	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.6) CTG., 40MM PRACTICE, DAY/	34.05	57,269	1.950	-	-	0.000	-	-	0.000	32.00	39,469	1.263	-	-	0.000	32.00	39,469	1.263

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
NIGHT MARKER MK281 (BA21)(†) (9)																		
2.1.7) 40MM LV TP DAY/NIGHT/ THERMAL M781E1 (BA54)(†) (10)	-	-	0.000	-	-	0.000	17.06	16,544	0.282	-	-	0.000	-	-	0.000	-	-	0.000
2.1.8) CTG, 60 MM HE-PD M88 M935 (B643)	442.74	10,557	4.674	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.9) CTG, 60MM, M720A2 W/M734, (BA44)(†) (11)	-	-	0.000	549.98	6,148	3.381	-	-	0.000	531.75	3,616	1.923	-	-	0.000	531.75	3,616	1.923
2.1.11) CTG, MORTAR 81MM HE M889 SERIES W/PD FUZE (CA63)(†)	623.70	1,443	0.900	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.12) ROCKET, 66MM, LAAW, FFE, HEAT, M72A8 (HB26)(†)	9,200.27	754	6.937	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.13) CTG 81MM ILLUM M853A1 W/ FUZE TIME (C871)(†) (12)	426.80	485	0.207	984.63	200	0.197	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.14) CTG, 60MM HE MAPAM M1081 W/FUZE M734A1 (BA42)(†)	1,011.95	2,175	2.201	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.15) JAVELIN BLOCK 1 FGM148F (PMC1)(†) (13)	-	-	23.629	163,615.00	13	2.127	197,864.00	8	1.583	-	-	0.000	-	-	0.000	-	-	0.000
2.1.16) JAVELIN COMPONENTS (TB06)	26,970.59	34	0.917	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.17) GUIDED MISSILE JAVELIN LIGHT WEIGHT (LCLU)(†) (14)	499,000.00	1	0.499	-	-	0.000	195,796.00	20	3.916	246,637.00	10	2.466	-	-	0.000	246,637.00	10	2.466
2.1.19) 81MM FRPC M879A1 (C875)(†)	217.56	1,287	0.280	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*49.102*	-	-	*5.705*	-	-	*5.781*	-	-	*5.652*	-	-	*0.000*	-	-	*5.652*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - AGNSW Hardware Cost	-	-	***49.102***	-	-	***5.705***	-	-	***5.781***	-	-	***5.652***	-	-	***0.000***	-	-	***5.652***
Hardware - AGNSW TRANSPORTATION CODE Cost																		
Recurring Cost																		
3.1.1) AGNSW TAC CODE (15)	-	-	0.500	-	-	0.000	-	-	0.000	-	-	0.056	-	-	0.000	-	-	0.056
Subtotal: Recurring Cost	-	-	*0.500*	-	-	*0.000*	-	-	*0.000*	-	-	*0.056*	-	-	*0.000*	-	-	*0.056*
Subtotal: Hardware - AGNSW TRANSPORTATION CODE Cost	-	-	***0.500***	-	-	***0.000***	-	-	***0.000***	-	-	***0.056***	-	-	***0.000***	-	-	***0.056***
Support - AGNSW PRODUCTION ENGINEERING Cost																		
4.1) Production Engineering	-	-	2.500	-	-	0.307	-	-	0.466	-	-	0.546	-	-	0.000	-	-	0.546
Subtotal: Support - AGNSW PRODUCTION ENGINEERING Cost	-	-	***2.500***	-	-	***0.307***	-	-	***0.466***	-	-	***0.546***	-	-	***0.000***	-	-	***0.546***
Gross/Weapon System Cost	-	-	**54.564**	-	-	**6.523**	-	-	**6.681**	-	-	**6.875**	-	-	**0.000**	-	-	**6.875**

Remarks:

[Hardware] HARDWARE - Provides all up rounds and acceptance testing. Unit costs and quantities are adjusted during the year of execution.

[Hardware] TRANSPORTATION CODE - Provides funding for Transportation Account Code (TAC) first destination delivery of production items and Single Manager Conventional Ammunition (SMCA) related costs.

[Support Cost] PRODUCTION ENGINEERING - Provides funding for production engineering services to support new acquisition and in production ammunition. Funding also supports active services in the issuance, acceptance, and safety validation/verification when fielding new munitions.

(†) indicates the presence of a P-5a

Footnotes:

(8) Single Manager for Convention Ammunition (SMCA) Engineering Support of Items in Production (ESIP) provides for civilian personnel salaries, materiel costs and travel/per diem of civilian and military personnel performing production engineering activities directly associated with product procurement related to end items including components/parts. ESIP costs will vary year to year with the complexity of the items procured, amounts of undelivered quantity, and the amount of problems encountered by the vendors.

(9) This is a priority procurement as Naval Special Warfare (NSW) is well below Total Munitions Requirement (TMR) with less than two year's worth of training stocks. This is a non-dud producing munitions, which complies with range restrictions at many of the locations where Naval Special Warfare (NSW) conducts training.

(10) Procurement changed to the older M781 (B519) at the direction of the Joint Program Executive Office Armaments & Ammunition (JPEO A&A) due to the unavailability of the improved version.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0270 / Other Ship Gun Ammunition	**Item Number / Title [DODIC]:** 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

(11) Procurement changed to the older M720A1 (BA16) at the direction of the Joint Program Executive Office Armaments & Ammunition (JPEO A&A) due to the unavailability of the required insensitive munitions explosive fill. This is a priority procurement as all Naval Special Warfare 60mm HE training stocks are in excess of 20 years old and have a high dude rate, which limits training.

(12) FY 2022 procurement funded with Overseas Contingency Operations funding

(13) The unit cost growth is a result of a decrease in procurement quantity from FY 2022 to FY 2023 and First Article Testing in FY 2023.

(14) The unit cost growth is a result of a decrease in procurement quantity from FY 2023 to FY 2024 and First Article Testing in FY 2024.

(15) FY 2023 Transportation Account Code (TAC) funds allocation established to facilitate implementation of new or long range financial responsibility due to increase in shipping cost for transportation services.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0270 / Other Ship Gun Ammunition	Item Number / Title [DODIC]: 2 / Naval Special Warfare

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.6) CTG., 40MM PRACTICE, DAY/NIGHT MARKER MK281 (BA21)		2024	TBD / TBD	MIPR	ROCK ISLAND, IL	Apr 2024	Oct 2025	39,469	32.00	N	Dec 2023	Jul 2023
2.1.7) 40MM LV TP DAY/NIGHT/ THERMAL M781E1 (BA54)		2023	TBD / TBD	MIPR	ROCK ISLAND, IL	Apr 2023	Oct 2024	16,544	17.06	N	Jan 2023	Aug 2022
2.1.9) CTG, 60MM, M720A2 W/ M734, (BA44)		2022	ROCK ISLAND / ROCK ISLAND, IL	MIPR	ROCK ISLAND, IL	Jan 2022	Jul 2023	6,148	549.98	Y		Jul 2021
2.1.9) CTG, 60MM, M720A2 W/ M734, (BA44)		2024	TBD / TBD	MIPR	ROCK ISLAND, IL	Apr 2024	Oct 2025	3,616	531.75	N	Dec 2023	Jul 2023
2.1.11) CTG, MORTAR 81MM HE M889 SERIES W/PD FUZE (CA63)		2019	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / CPFF	PARSONS, KS	Apr 2019	Apr 2021	1,443	623.68	Y		Aug 2018
2.1.12) ROCKET, 66MM, LAAW, FFE, HEAT, M72A8 (HB26)		2020	NAMMO RAUFOSS / RAUFOSS, NORWAY	C / CPFF	RAUFOSS, NORWAY	May 2020	Nov 2021	754	9,200.00	Y		Jun 2019
2.1.13) CTG 81MM ILLUM M853A1 W/FUZE TIME (C871)		2022 (16)	JMC ROCK ISLAND / ROCK ISLAND, IL	MIPR	ROCK ISLAND, IL	Apr 2022	Oct 2023	200	984.63	N	Aug 2022	Dec 2021
2.1.14) CTG, 60MM HE MAPAM M1081 W/FUZE M734A1 (BA42)		2019	DAY & ZIMMERMAN, INC. / PARSONS, KS	C / CPFF	PARSONS, KS	Jul 2019	Jan 2021	2,175	1,011.80	Y		Jul 2018
2.1.15) JAVELIN BLOCK 1 FGM148F (PMC1)		2022	RAYTHEON/LOCKHEED MARTIN JAVELIN JOINT VENTURE / TUCSON, AZ	C / FFP	REDSTONE, AL	Aug 2022	Feb 2025	13	163,615.00	Y		Jan 2021
2.1.15) JAVELIN BLOCK 1 FGM148F (PMC1)		2023	TBD / TBD	C / FFP	REDSTONE, AL	May 2023	Nov 2025	8	197,864.00	N	Dec 2022	Apr 2022
2.1.17) GUIDED MISSILE JAVELIN LIGHT WEIGHT (LCLU)		2021	RAYTHEON/LOCKHEED MARTIN JAVELIN JOINT VENTURE / TUCSON, AZ	C / FFP	REDSTONE, AL	May 2021	Nov 2023	1	498,876.00	Y		Aug 2020
2.1.17) GUIDED MISSILE JAVELIN LIGHT WEIGHT (LCLU)		2023	TBD / TBD	C / FFP	REDSTONE, AL	Apr 2023	Oct 2025	20	195,796.00	N	Nov 2022	Jul 2022
2.1.17) GUIDED MISSILE JAVELIN LIGHT WEIGHT (LCLU)		2024	TBD / TBD	C / FFP	REDSTONE, AL	Mar 2024	Sep 2026	10	246,637.00	N	Oct 2023	May 2023
2.1.19) 81MM FRPC M879A1 (C875)		2019	DAY & ZIMMERMAN / PARSONS, KS	C / FFP	PARSON, KS	Apr 2019	Nov 2022	1,287	217.56	Y		Aug 2018

Footnotes:

(16) FY 2022 procurement funded with Overseas Contingency Operations funding

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo

ID Code (A=Service Ready, B=Not Service Ready): B | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	596.253	37.995	44.552	48.478	0.000	48.478	49.767	50.708	51.859	53.076	-	932.688
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	596.253	37.995	44.552	48.478	0.000	48.478	49.767	50.708	51.859	53.076	-	932.688
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**596.253**	**37.995**	**44.552**	**48.478**	**0.000**	**48.478**	**49.767**	**50.708**	**51.859**	**53.076**	**-**	**932.688**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Program procures ammunition in support of Navy ships and for active and reserve ashore warfare forces. Small Arms (22 -.50 Cal) ammunition and Landing Party ammunition includes hand grenades, riot control agents and defensive land mines for the Military Sea Lift Command, Naval Criminal Investigate Service (NCIS), Marine and Navy Air-wings, Maritime Force Protection Command, and Naval Expeditionary Combat Command.

Additionally, the Naval Special Warfare (NSW) small arms ammunition program includes (22 -.50 Cal) ammunition required for the organic weapon systems carried by US Navy SEALs, while the various hand grenades are employed for force protection, break contact maneuvers, ambushes, and target assaults.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	37.521	44.125	48.036	-	48.036	49.314	50.248	51.387	52.594
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.474	0.427	0.442	-	0.442	0.453	0.460	0.472	0.482
Total: Secondary Distribution	**Quantity**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
	Total Obligation Authority	**37.995**	**44.552**	**48.478**	**-**	**48.478**	**49.767**	**50.708**	**51.859**	**53.076**

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo

ID Code (A=Service Ready, B=Not Service Ready): B	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / Integrated Warfare Systems	P-5a, P-21			- / 392.415	- / 23.696	- / 25.751	- / 26.994	- / 0.000	- / 26.994
P-5	2 / Naval Special Warfare (NSW)	P-5a			- / 203.838	- / 14.299	- / 18.801	- / 21.484	- / 0.000	- / 21.484
P-40	**Total Gross/Weapon System Cost**				**- / 596.253**	**- / 37.995**	**- / 44.552**	**- / 48.478**	**- / 0.000**	**- / 48.478**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding procures ammunition to support shotguns, handguns, rifles, machine guns, grenades and land mines. 12 Gauge, 5.56MM, 7.62MM, 9MM, 38 Caliber, 40 Caliber, 45 Caliber, 50 Caliber, Hand and Smoke Grenades, and Mines are used for all Active Navy Ships and all Active and Reserve Ashore warfare forces, including Navy Expeditionary Combat Command, Maritime Expeditionary Security Forces, Inshore Undersea Warfare Groups, Military Sea Lift Command, Marine and Navy Air-Wing units, and Naval Criminal Investigative Service. Baseline funding also provides production Engineering and Gauge requirements for Small Arms Ammunition, Grenades, and Mines.

FY 2024 funding also procures Naval Special Warfare (NSW) ammunition to support shotguns, handguns, rifles, machine guns, and grenades tactically employed by US Navy SEALs, Special Boat Teams, NSW Task Units/Groups and other NSW support groups. Procurement in FY 2023 includes ammunition (22 - 50 Caliber) and Hand Grenades. Baseline program funds are also necessary for production engineering as required by DoD and Navy safety and acquisition regulations.

OOC:
FY 2022 includes $0.424M in OOC execution.
FY 2023 includes $0.000M in OOC enacted budget.
FY 2024 includes $0.000M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	392.415	23.696	25.751	26.994	0.000	26.994
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	392.415	23.696	25.751	26.994	0.000	26.994
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**392.415**	**23.696**	**25.751**	**26.994**	**0.000**	**26.994**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - (AH100) PE/QA SMCA Cost																		
Recurring Cost																		
1.1.1) PE/QA SMCA	-	-	16.104	-	-	1.505	-	-	1.530	-	-	1.561	-	-	0.000	-	-	1.561
Subtotal: Recurring Cost	-	-	*16.104*	-	-	*1.505*	-	-	*1.530*	-	-	*1.561*	-	-	*0.000*	-	-	*1.561*
Subtotal: Hardware - (AH100) PE/QA SMCA Cost	**-**	**-**	***16.104***	**-**	**-**	***1.505***	**-**	**-**	***1.530***	**-**	**-**	***1.561***	**-**	**-**	***0.000***	**-**	**-**	***1.561***
Hardware - (AH100) TRANSPORTATION ACCOUNT CODE (TAC) Cost																		
Recurring Cost																		
2.1.1) TRANSPORTATION ACCOUNT CODE (TAC)	-	-	12.314	-	-	1.200	-	-	1.020	-	-	1.040	-	-	0.000	-	-	1.040
Subtotal: Recurring Cost	-	-	*12.314*	-	-	*1.200*	-	-	*1.020*	-	-	*1.040*	-	-	*0.000*	-	-	*1.040*
Subtotal: Hardware - (AH100) TRANSPORTATION ACCOUNT CODE (TAC) Cost	**-**	**-**	***12.314***	**-**	**-**	***1.200***	**-**	**-**	***1.020***	**-**	**-**	***1.040***	**-**	**-**	***0.000***	**-**	**-**	***1.040***
Hardware - (AH100) .40 CAL CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CARTRIDGE, MK 308 MOD 0, .40 (DWGW)	0.29	2,374,200	0.699	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.2) CARTRIDGE .40 CALS&W (DWGX)	0.29	774,463	0.222	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.1.3) CARTRIDGE, .40 CALIBER, S&W FRANGIBLE, MK 326 MOD 0 (CWRD)	0.42	785,129	0.329	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.250*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH100) .40 CAL CARTRIDGES Cost	**-**	**-**	***1.250***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH100) 50 CAL CARTRIDGES Cost																		
Recurring Cost																		
4.1.1) .50 CAL BLANK (A598)	1.37	1,921,958	2.634	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.2) CTG, .50 LINKED (A576)(†)	2.22	8,406,504	18.698	3.08	206,494	0.636	3.24	96,000	0.311	3.30	96,000	0.317	-	-	0.000	3.30	96,000	0.317
4.1.3) CTG, 50 CAL, MK 211, APIT, M (AA06)	-	-	5.985	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.4) CTG, 50 CAL, LKD, BALL (A555)(†)	1.94	17,167,590	33.291	2.77	800,000	2.216	2.82	499,200	1.408	2.88	499,200	1.438	-	-	0.000	2.88	499,200	1.438
4.1.5) CTG, 50 CAL, LKD & TRACER (A557)(†) (1)	1.91	46,818,608	89.482	2.96	2,107,770	6.239	3.01	3,247,694	9.776	3.08	3,906,727	12.033	-	-	0.000	3.08	3,906,727	12.033
4.1.6) CTG, 50 CAL., MK322 MOD1, RRA, LKD (AC15)(†)	4.07	366,500	1.490	4.25	149,882	0.637	4.33	153,600	0.665	4.41	153,600	0.677	-	-	0.000	4.41	153,600	0.677
Subtotal: Recurring Cost	-	-	*151.580*	-	-	*9.728*	-	-	*12.160*	-	-	*14.465*	-	-	*0.000*	-	-	*14.465*
Subtotal: Hardware - (AH100) 50 CAL CARTRIDGES Cost	**-**	**-**	***151.580***	**-**	**-**	***9.728***	**-**	**-**	***12.160***	**-**	**-**	***14.465***	**-**	**-**	***0.000***	**-**	**-**	***14.465***
Hardware - (AH100) 5.56MM CARTRIDGES Cost																		
Recurring Cost																		
5.1.1) CTG, CAL 5.56MM, FRANGIBLE (AA40)	0.43	33,827,694	14.587	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.2) CTG, 5.56MM M855 (A059)	0.25	91,703,532	22.620	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.3) CTG., 5.56MM, BLANK (A080)	0.24	9,069,440	2.176	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.4) CTG, 5.56MM, SRTR AMMO (AA68)	0.43	1,020,785	0.439	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
5.1.5) CTG., 5.56MM, BALL, M855A1 EPR (AB57)(†)	0.41	3,102,960	1.272	0.47	2,016,000	0.948	0.48	2,016,000	0.968	0.49	995,592	0.488	-	-	0.000	0.49	995,592	0.488
5.1.6) CTG, 5.56MM, SRTA AMMO (AB67)(†)	1.11	1,891,200	2.106	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.7) CTG., 5.56MM, M1042, MARKING, BLUE (AC39)(†)	-	-	0.000	-	-	0.000	0.96	50,400	0.048	0.98	50,400	0.049	-	-	0.000	0.98	50,400	0.049
5.1.8) CTG., 5.56MM, M1042, MARKING, RED (AC40)(†)	-	-	0.000	-	-	0.000	0.96	50,400	0.048	0.98	50,400	0.049	-	-	0.000	0.98	50,400	0.049
5.1.9) CTG., 5.56MM, BALL, M193 (A071)(†)	-	-	0.000	-	-	0.000	0.40	599,760	0.240	0.41	599,760	0.246	-	-	0.000	0.41	599,760	0.246
Subtotal: Recurring Cost	-	-	*43.200*	-	-	*0.948*	-	-	*1.304*	-	-	*0.832*	-	-	*0.000*	-	-	*0.832*
Subtotal: Hardware - (AH100) 5.56MM CARTRIDGES Cost	**-**	**-**	***43.200***	**-**	**-**	***0.948***	**-**	**-**	***1.304***	**-**	**-**	***0.832***	**-**	**-**	***0.000***	**-**	**-**	***0.832***
Hardware - (AH100) 7.62MM CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) CTG. 7.62MM (A257)(†) (2)	0.51	4,107,500	2.079	0.64	404,688	0.259	0.75	352,000	0.264	0.77	352,000	0.271	-	-	0.000	0.77	352,000	0.271
6.1.2) CARTR, 7.62MM (AA11)	1.05	1,729,780	1.809	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.3) CTG, 7.62MM, SRTA, BALL, LINKED M973 (AB60)(†)	1.86	1,819,026	3.380	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.4) CTG, 7.62MM, LKD, BALL AND TR (A131)(†) (3)	0.74	62,557,112	46.167	0.84	1,129,000	0.948	0.86	1,984,000	1.706	0.87	1,754,115	1.526	-	-	0.000	0.87	1,754,115	1.526
6.1.5) CTG, 7.62MM, BALL, M80, LKD (A143)(†)	0.61	13,062,214	7.980	0.81	598,000	0.484	0.83	608,000	0.505	0.84	608,000	0.511	-	-	0.000	0.84	608,000	0.511
6.1.6) CTG, 7.62MM, LKD (A165)(†)	0.60	41,981,632	25.247	0.72	1,279,000	0.921	0.73	1,504,000	1.098	0.75	1,504,000	1.128	-	-	0.000	0.75	1,504,000	1.128
Subtotal: Recurring Cost	-	-	*86.662*	-	-	*2.612*	-	-	*3.573*	-	-	*3.436*	-	-	*0.000*	-	-	*3.436*
Subtotal: Hardware - (AH100) 7.62MM CARTRIDGES Cost	**-**	**-**	***86.662***	**-**	**-**	***2.612***	**-**	**-**	***3.573***	**-**	**-**	***3.436***	**-**	**-**	***0.000***	**-**	**-**	***3.436***
Hardware - (AH100) 38CAL CARTRIDGES Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Recurring Cost																		
7.1.1) CTG, .38 BLANK (A403)	0.27	62,750	0.017	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.017*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH100) 38CAL CARTRIDGES Cost	**-**	**-**	***0.017***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH100) 45 CAL CARTRIDGES Cost																		
Recurring Cost																		
8.1.1) CTG, .45 CAL BALL (A475)	0.27	384,000	0.102	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.102*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH100) 45 CAL CARTRIDGES Cost	**-**	**-**	***0.102***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH100) 9MM CARTRIDGES Cost																		
Recurring Cost																		
9.1.1) CTG, 9MM, BALL (A363)	0.18	107,231K	19.110	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
9.1.2) CTG., 9MM, BALL, XM1152 (AC20)(†)	0.17	17,846,000	3.034	0.19	12,000,000	2.280	0.19	8,500,000	1.615	0.20	6,000,000	1.200	-	-	0.000	0.20	6,000,000	1.200
9.1.3) CTG., 9MM, SPECIAL, JHP, XM1153 (AC21)	0.20	162,000	0.032	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
9.1.4) CTG, 9MM, FRANGIBLE (AA16)(†)	0.29	12,360,985	3.638	0.28	4,992,000	1.398	0.25	2,500,000	0.625	0.26	1,923,077	0.500	-	-	0.000	0.26	1,923,077	0.500
9.1.5) (AB13) CTG, 9MM, FX, MARKING, BLUE (AB13)	0.56	1,740,000	0.966	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
9.1.6) (AB14) CTG, 9MM, FX, MARKING, RED (AB14)	0.56	5,999,818	3.367	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
9.1.7) CTG, 9MM, FX, MARKING, BLUE (AC36)(†)	0.61	572,000	0.350	0.72	24,000	0.017	0.73	24,000	0.018	0.75	24,000	0.018	-	-	0.000	0.75	24,000	0.018
9.1.8) CTG., 9MM, FX, MARKING, RED (AC37)(†)	0.60	2,148,500	1.292	0.72	200,000	0.144	0.73	200,000	0.146	0.75	200,000	0.150	-	-	0.000	0.75	200,000	0.150
Subtotal: Recurring Cost	-	-	*31.789*	-	-	*3.839*	-	-	*2.404*	-	-	*1.868*	-	-	*0.000*	-	-	*1.868*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - (AH100) 9MM CARTRIDGES Cost	**-**	**-**	***31.789***	**-**	**-**	***3.839***	**-**	**-**	***2.404***	**-**	**-**	***1.868***	**-**	**-**	***0.000***	**-**	**-**	***1.868***
Hardware - (AH100) GRENADES Cost																		
Recurring Cost																		
10.1.1) FUZE, DELAY M228 (G878)	5.89	27,486	0.162	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.2) GRENADE, VEHICLE LAUNCHED IR/S (GG42)	234.13	7,701	1.803	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.3) GRENADE, HND, SMK, GREEN (G940)	34.01	25,048	0.852	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.4) GRENADE, HND, SMK, VIOLET (G955)	58.20	10,000	0.582	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.5) GRENADE, HND, SMK, YELLOW (G945)	34.36	19,646	0.675	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.6) GRENADE, HND, SMK, WHITE (GG34)	30.52	25,000	0.763	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.7) GRENADE, HND, SMK, RED (G950)	52.16	10,352	0.540	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*5.377*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH100) GRENADES Cost	**-**	**-**	***5.377***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH100) MINES Cost																		
Recurring Cost																		
11.1.1) RIOT CNTRL, CS (K765)	0.40	22,280	0.009	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.009*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH100) MINES Cost	**-**	**-**	***0.009***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH100) SHOTGUN CARTRIDGES Cost																		
Recurring Cost																		
12.1.1) CTG, 12 GA NO. 00 (A011)(†) (4)	0.54	5,905,800	3.210	0.77	587,840	0.450	0.79	553,858	0.435	0.81	548,523	0.442	-	-	0.000	0.81	548,523	0.442
12.1.2) CTG, 12 GA, FRANGIBLE (AA86)	0.89	2,243,170	2.006	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
12.1.3) CTG., 28 GAUGE SHOGUN, TRAP/SKEET PAS (A046)	-	-	0.000	-	-	0.062	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*5.216*	-	-	*0.512*	-	-	*0.435*	-	-	*0.442*	-	-	*0.000*	-	-	*0.442*
Subtotal: Hardware - (AH100) SHOTGUN CARTRIDGES Cost	**-**	**-**	***5.216***	**-**	**-**	***0.512***	**-**	**-**	***0.435***	**-**	**-**	***0.442***	**-**	**-**	***0.000***	**-**	**-**	***0.442***
Hardware - (AH350) MATCH AMMO Cost																		
Recurring Cost																		
13.1.1) CTG, .22 CAL, BALL, LR, MATCH (A091)	0.13	2,215,000	0.288	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
13.1.2) CTG., 12 GA SHOTGUN (A002)	0.40	203,000	0.081	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
13.1.3) CTG., 12 GAUGE SHOTGUN, TRAP/SKEET PAS (A003)	0.40	203,000	0.081	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
13.1.4) CTG., 45 CAL, BALL, M1911, M (A483)	0.28	112,000	0.031	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.481*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AH350) MATCH AMMO Cost	**-**	**-**	***0.481***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH850) PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		
14.1.1) PRODUCT IMPROVEMENT (5)	-	-	1.302	-	-	0.344	-	-	0.259	-	-	0.272	-	-	0.000	-	-	0.272
Subtotal: Recurring Cost	-	-	*1.302*	-	-	*0.344*	-	-	*0.259*	-	-	*0.272*	-	-	*0.000*	-	-	*0.272*
Subtotal: Hardware - (AH850) PRODUCT IMPROVEMENT Cost	**-**	**-**	***1.302***	**-**	**-**	***0.344***	**-**	**-**	***0.259***	**-**	**-**	***0.272***	**-**	**-**	***0.000***	**-**	**-**	***0.272***
Hardware - (AH893) RENOVATION COMPONENTS Cost																		
Recurring Cost																		
15.1.1) RENOVATION COMPONENTS	-	-	2.823	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*2.823*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - (AH893) RENOVATION COMPONENTS Cost	**-**	**-**	***2.823***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AH894) GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
16.1.1) GAUGE REQUIREMENTS	-	-	0.201	-	-	0.030	-	-	0.032	-	-	0.033	-	-	0.000	-	-	0.033
Subtotal: Recurring Cost	-	-	*0.201*	-	-	*0.030*	-	-	*0.032*	-	-	*0.033*	-	-	*0.000*	-	-	*0.033*
Subtotal: Hardware - (AH894) GAUGE REQUIREMENTS Cost	**-**	**-**	***0.201***	**-**	**-**	***0.030***	**-**	**-**	***0.032***	**-**	**-**	***0.033***	**-**	**-**	***0.000***	**-**	**-**	***0.033***
Hardware - (AH895) NON-STANDARD Cost																		
Recurring Cost																		
17.1.1) NON-STANDARD	-	-	2.877	-	-	0.400	-	-	0.400	-	-	0.250	-	-	0.000	-	-	0.250
Subtotal: Recurring Cost	-	-	*2.877*	-	-	*0.400*	-	-	*0.400*	-	-	*0.250*	-	-	*0.000*	-	-	*0.250*
Subtotal: Hardware - (AH895) NON-STANDARD Cost	**-**	**-**	***2.877***	**-**	**-**	***0.400***	**-**	**-**	***0.400***	**-**	**-**	***0.250***	**-**	**-**	***0.000***	**-**	**-**	***0.250***
Support - (AH830) PRODUCTION ENGINEERING Cost																		
18.1) PRODUCTION ENGINEERING	-	-	28.278	-	-	2.516	-	-	2.634	-	-	2.795	-	-	0.000	-	-	2.795
Subtotal: Support - (AH830) PRODUCTION ENGINEERING Cost	**-**	**-**	***28.278***	**-**	**-**	***2.516***	**-**	**-**	***2.634***	**-**	**-**	***2.795***	**-**	**-**	***0.000***	**-**	**-**	***2.795***
Support - Prior Year Funding Cost																		
19.1) Prior Year Funding	-	-	2.833	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
19.2) CTG., 410 GAUGE SHOTGUN, TRAP/ SKEET PAS (A	-	-	0.000	-	-	0.062	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Support - Prior Year Funding Cost	**-**	**-**	***2.833***	**-**	**-**	***0.062***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Gross/Weapon System Cost	**-**	**-**	**392.415**	**-**	**-**	**23.696**	**-**	**-**	**25.751**	**-**	**-**	**26.994**	**-**	**-**	**0.000**	**-**	**-**	**26.994**

Remarks:

[Hardware] [P5 /(AH100)HARDWARE]: Provides for all types of components, load and assemble complete rounds and conduct acceptance tests. Provides for Transportation Account Code (TAC) first destination of delivery of production items and US Army Single Manager Conventional Ammunition (SMCA) related costs.

[Hardware] [P5 / (AH850) PRODUCT IMPROVEMENT]:

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Provides engineering services and related effort by the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope.

[Hardware] [P5 / (AH894) GAUGE REQUIREMENTS]:
Provides for procurement of gauges, auxiliary and test equipment and support costs necessary for ammunition metrology to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and subassemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

[Hardware] [P5 / (AH895) NON-STANDARD ITEMS]:
Provides for non-standard items of ammunition. Includes training aids and initial procurements of required non type classified munition items including law enforcement ammunition for NCIS.

[Support Cost] AH830: SALP Production Engineering provides for production engineering services to support new acquisition and in production ammunition.

(†) indicates the presence of a P-5a

Footnotes:

(1) FY 2023 decrease in funds of $2.433M resulting in decreased quantities.

(2) FY 2022 Contract contains step ladder pricing. Unit prices decreased overall due to decrease in material costs. Due to decrease in unit cost within step ladder pricing ranges, order was awarded in a lower cost step, resulting in additional cost savings.

(3) FY 2022 Contract contains step ladder pricing. Unit prices decreased overall due to decrease in material costs. Due to decrease in unit cost within step ladder pricing ranges, order was awarded in a lower cost step, resulting in additional cost savings.

(4) FY 2022 unit cost reflects actual negotiated contract cost.

(5) FY 2024 Product Improvement Program (PIP) funds will be used to support the following improvements to legacy capabilities. Qualification and cataloging of replacement ammunition variants AC15, AC20, AC21, AC39, AC40, AB57 and Surface Danger Zone testing in support of safety reviews

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.2) CTG, .50 LINKED (A576)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2022	Nov 2023	206,494	3.08	Y		Sep 2018
4.1.2) CTG, .50 LINKED (A576)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Jun 2024	96,000	3.24	Y		Sep 2018
4.1.2) CTG, .50 LINKED (A576)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Jun 2025	96,000	3.30	Y		Sep 2018
4.1.4) CTG, 50 CAL, LKD, BALL (A555)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Feb 2024	800,000	2.77	Y		Sep 2018
4.1.4) CTG, 50 CAL, LKD, BALL (A555)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Sep 2024	499,200	2.82	Y		Sep 2018
4.1.4) CTG, 50 CAL, LKD, BALL (A555)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Sep 2025	499,200	2.88	Y		Sep 2018
4.1.5) CTG, 50 CAL, LKD & TRACER (A557)(†)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Aug 2023	2,107,770	2.96	Y		Sep 2018
4.1.5) CTG, 50 CAL, LKD & TRACER (A557)(†)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	3,247,694	3.01	Y		Sep 2018
4.1.5) CTG, 50 CAL, LKD & TRACER (A557)(†)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	3,906,727	3.08	Y		Sep 2018
4.1.6) CTG, 50 CAL., MK322 MOD1, RRA, LKD (AC15)		2022 (6)	TBD / TBD	C / FFP	MARCORSYSCOM	Aug 2023	Dec 2024	149,882	4.25	Y		Sep 2020
4.1.6) CTG, 50 CAL., MK322 MOD1, RRA, LKD (AC15)		2023	TBD / TBD	C / FFP	MARCORSYSCOM	Aug 2023	May 2024	153,600	4.33	Y		Sep 2020
4.1.6) CTG, 50 CAL., MK322 MOD1, RRA, LKD (AC15)		2024	TBD / TBD	C / FFP	MARCORSYSCOM	Mar 2024	Dec 2024	153,600	4.41	Y		Sep 2020
5.1.5) CTG., 5.56MM, BALL, M855A1 EPR (AB57)		2021	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2021	Mar 2022	3,102,960	0.41	Y		Oct 2019
5.1.5) CTG., 5.56MM, BALL, M855A1 EPR (AB57)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Aug 2023	2,016,000	0.47	Y		Oct 2019
5.1.5) CTG., 5.56MM, BALL, M855A1 EPR (AB57)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	2,016,000	0.48	Y		Oct 2019
5.1.5) CTG., 5.56MM, BALL, M855A1 EPR (AB57)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	995,592	0.49	Y		Oct 2019
5.1.6) CTG, 5.56MM, SRTA AMMO (AB67)		2020 (7)	GDOTS CANADA / CANADA	SS / FFP	JMC ROCK ISLAND	Mar 2020	Oct 2023	504,000	0.99	Y		Oct 2016
5.1.6) CTG, 5.56MM, SRTA AMMO (AB67)		2021 (8)	GDOTS CANADA / CANADA	SS / FFP	JMC ROCK ISLAND	Sep 2021	Nov 2023	462,600	1.09	Y		Oct 2016
5.1.7) CTG., 5.56MM, M1042, MARKING, BLUE (AC39)		2023	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	50,400	0.96	Y		Jan 2022
5.1.7) CTG., 5.56MM, M1042, MARKING, BLUE (AC39)		2024	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	50,400	0.98	Y		Jan 2022
5.1.8) CTG., 5.56MM, M1042, MARKING, RED (AC40)		2023	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	50,400	0.96	Y		Jan 2022

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.1.8) CTG., 5.56MM, M1042, MARKING, RED (AC40)		2024	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	50,400	0.98	Y		Jan 2022
5.1.9) CTG., 5.56MM, BALL, M193 (A071)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	599,760	0.40	Y		Sep 2018
5.1.9) CTG., 5.56MM, BALL, M193 (A071)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	599,760	0.41	Y		Sep 2018
6.1.1) CTG. 7.62MM (A257)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Apr 2024	404,688	0.64	Y		Oct 2018
6.1.1) CTG. 7.62MM (A257)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	May 2025	352,000	0.75	Y		Oct 2018
6.1.1) CTG. 7.62MM (A257)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2026	352,000	0.77	Y		Oct 2018
6.1.3) CTG, 7.62MM, SRTA, BALL, LINKED M973 (AB60)		2021 (9)	GDOTS CANADA / CANADA	C / FFP	PICATINNY ARSENAL	Apr 2021	Sep 2023	190,800	1.94	Y		Oct 2017
6.1.4) CTG, 7.62MM, LKD, BALL AND TR (A131)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Feb 2024	1,129,000	0.84	Y		Oct 2018
6.1.4) CTG, 7.62MM, LKD, BALL AND TR (A131)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Sep 2024	1,984,000	0.86	Y		Oct 2018
6.1.4) CTG, 7.62MM, LKD, BALL AND TR (A131)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Sep 2025	1,754,115	0.87	Y		Oct 2018
6.1.5) CTG, 7.62MM, BALL, M80, LKD (A143)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Aug 2022	Mar 2024	598,000	0.81	Y		Oct 2018
6.1.5) CTG, 7.62MM, BALL, M80, LKD (A143)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Oct 2024	608,000	0.83	Y		Oct 2018
6.1.5) CTG, 7.62MM, BALL, M80, LKD (A143)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Oct 2025	608,000	0.84	Y		Oct 2018
6.1.6) CTG, 7.62MM, LKD (A165)		2021	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Sep 2021	Nov 2022	2,154,930	0.71	Y		Oct 2018
6.1.6) CTG, 7.62MM, LKD (A165)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	May 2022	Dec 2023	1,279,000	0.72	Y		Oct 2018
6.1.6) CTG, 7.62MM, LKD (A165)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2023	Oct 2024	1,504,000	0.73	Y		Oct 2018
6.1.6) CTG, 7.62MM, LKD (A165)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	JMC ROCK ISLAND	Mar 2024	Oct 2025	1,504,000	0.75	Y		Oct 2018
9.1.2) CTG., 9MM, BALL, XM1152 (AC20)		2022	SIG SAUER / EXETER, NH	C / FFP	JMC ROCK ISLAND	Mar 2022	Mar 2023	12,000,000	0.19	Y		Oct 2016
9.1.2) CTG., 9MM, BALL, XM1152 (AC20)		2023	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	8,500,000	0.19	Y		Mar 2021
9.1.2) CTG., 9MM, BALL, XM1152 (AC20)		2024	TBD / TBD	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	6,000,000	0.20	Y		Mar 2021
9.1.4) CTG, 9MM, FRANGIBLE (AA16)		2022	OLIN-WINCHESTER / OXFORD, MS	C / FFP	NSWC CRANE	Jul 2022	Aug 2023	4,992,000	0.28	Y		Jan 2019
9.1.4) CTG, 9MM, FRANGIBLE (AA16)		2023	OLIN-WINCHESTER / OXFORD, MS	C / FFP	NSWC CRANE	Mar 2023	Apr 2024	2,500,000	0.25	Y		Jan 2019
9.1.4) CTG, 9MM, FRANGIBLE (AA16)		2024	OLIN-WINCHESTER / OXFORD, MS	C / FFP	NSWC CRANE	Mar 2024	Apr 2025	1,923,077	0.26	Y		Jan 2019

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
9.1.7) CTG, 9MM, FX, MARKING, BLUE (AC36)		2021 (10)	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Jun 2021	Apr 2023	158,000	0.54	Y		Jan 2021
9.1.7) CTG, 9MM, FX, MARKING, BLUE (AC36)		2022 (11)	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	May 2022	Aug 2024	24,000	0.72	Y		Jan 2021
9.1.7) CTG, 9MM, FX, MARKING, BLUE (AC36)		2023	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	24,000	0.73	Y		Jan 2021
9.1.7) CTG, 9MM, FX, MARKING, BLUE (AC36)		2024	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	24,000	0.75	Y		Jan 2021
9.1.8) CTG., 9MM, FX, MARKING, RED (AC37)		2021 (12)	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Jun 2021	Mar 2023	826,000	0.54	Y		Jan 2021
9.1.8) CTG., 9MM, FX, MARKING, RED (AC37)		2022	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Aug 2022	Nov 2023	200,000	0.72	Y		Jan 2021
9.1.8) CTG., 9MM, FX, MARKING, RED (AC37)		2023	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2023	Mar 2024	200,000	0.73	Y		Jan 2021
9.1.8) CTG., 9MM, FX, MARKING, RED (AC37)		2024	GDOTS CANADA / CANADA	C / FFP	JMC ROCK ISLAND	Mar 2024	Mar 2025	200,000	0.75	Y		Jan 2021
12.1.1) CTG, 12 GA NO. 00 (A011)		2022	OLIN-WINCHESTER / ALTON, ILLINOIS.	C / FFP	JMC ROCK ISLAND	Aug 2022	Sep 2023	587,840	0.77	Y		Feb 2022
12.1.1) CTG, 12 GA NO. 00 (A011)		2023	OLIN-WINCHESTER / ALTON, ILLINOIS.	C / FFP	JMC ROCK ISLAND	Mar 2023	Apr 2024	553,858	0.79	Y		Feb 2022
12.1.1) CTG, 12 GA NO. 00 (A011)		2024	OLIN-WINCHESTER / ALTON, ILLINOIS.	C / FFP	JMC ROCK ISLAND	Oct 2023	Apr 2025	548,523	0.81	Y		Feb 2022

(†) indicates the presence of a P-21

Footnotes:

(6) New contract planned for FY 2022 delayed due to issues with current contract.

(7) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023.

(8) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023..

(9) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023.

(10) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023.

(11) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023.

(12) Explosive incident at production plant in February 2021 resulted in plant shutdown, causing delivery delays. Delivery dates dependent upon vendor receiving approval for restart from Canadian governmental authority, the Quebec Regulatory Authority. Investigation determined facility upgrades required prior to approval to restart operations. Facility modifications are underway, and operations are expected to resume Q2 2023.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.5) CTG, 50 CAL, LKD & TRACER (A557) [1]																															
Prior Years Deliveries: 46818608																															
	1	2022	NAVY	2.108	.000	2.108																									2.108
	1	2023	NAVY	3.248	.000	3.248																									3.248
	1	2024	NAVY	3.907	.000	3.907																									3.907
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.5) CTG, 50 CAL, LKD & TRACER (A557) (1)																															
Prior Years Deliveries: 46818608																															
	1	2022	NAVY	2.108	.000	2.108											A -	-	-	-	-	-	-	-	-	-	-	-	1.000	1.000	.108
	1	2023	NAVY	3.248	.000	3.248																		A -	-	-	-	-	-	-	3.248
	1	2024	NAVY	3.907	.000	3.907																									3.907
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.5) CTG, 50 CAL, LKD & TRACER (A557) (1)																															
Prior Years Deliveries: 46818608																															
	1	2022	NAVY	2.108	2.000	.108	.108																								.000
	1	2023	NAVY	3.248	.000	3.248	-	-	-	-	-	1.000	1.000	1.000	.248																.000
	1	2024	NAVY	3.907	.000	3.907						A -	-	-	-	-	-	-	-	-	-	-	-	1.000	1.000	1.000	.907				.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0335 / Small Arms & Lndg Party Ammo	**Item Number / Title [DODIC]:** 1 / Integrated Warfare Systems

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN-WINCHESTER - LCAAP		6,000	10,000,000	4	4	18	22	4	4	12	16

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	203.838	14.299	18.801	21.484	0.000	21.484
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	203.838	14.299	18.801	21.484	0.000	21.484
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**203.838**	**14.299**	**18.801**	**21.484**	**0.000**	**21.484**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - (AHNSW) SMCA Cost																		
Recurring Cost																		
1.1.1) (AHNSW) SMCA [13]	-	-	3.709	-	-	1.224	-	-	1.293	-	-	1.320	-	-	0.000	-	-	1.320
Subtotal: Recurring Cost	-	-	*3.709*	-	-	*1.224*	-	-	*1.293*	-	-	*1.320*	-	-	*0.000*	-	-	*1.320*
Subtotal: Hardware - (AHNSW) SMCA Cost	**-**	**-**	***3.709***	**-**	**-**	***1.224***	**-**	**-**	***1.293***	**-**	**-**	***1.320***	**-**	**-**	***0.000***	**-**	**-**	***1.320***
Hardware - (AHNSW) GRENADES Cost																		
Recurring Cost																		
2.1.1) GRENADE,HAND,SMOKE GREEN (G940)	61.97	14,992	0.929	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) GRENADE, 66MM SMOKE SCREENING (GG24)	235.00	2,000	0.470	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) FUZE, DELAY M228, F/M 68 HAND GRND (G878)	10.47	102,148	1.070	-	-	0.000	-	-	0.000	15.55	18,199	0.283	-	-	0.000	15.55	18,199	0.283
2.1.4) GRENADE, VEHICLE LAUNCHED IR/S (GG42)	253.99	2,004	0.509	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.5) GRENADE, HAND, FRAG (G881)	40.26	17,760	0.715	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.6) GRENADE, HAND, SMOKE, YELLOW (G945)	52.31	25,692	1.344	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.7) GRENADE, HAND, SMOKE, RED (G950)	41.77	35,000	1.462	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.8) GRENADE, HAND, SMOKE, VIOLET (G955)(†)	-	-	0.000	107.69	13,040	1.404	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*6.499*	-	-	*1.404*	-	-	*0.000*	-	-	*0.283*	-	-	*0.000*	-	-	*0.283*
Subtotal: Hardware - (AHNSW) GRENADES Cost	**-**	**-**	***6.499***	**-**	**-**	***1.404***	**-**	**-**	***0.000***	**-**	**-**	***0.283***	**-**	**-**	***0.000***	**-**	**-**	***0.283***
Hardware - (AHNSW) 9MM CARTRIDGES Cost																		
Recurring Cost																		
3.1.1) CTG, 9MM MMR, GREEN PRIMER (RED), M1041 (AC37) (14)	0.68	674,000	0.459	-	-	0.000	-	-	0.000	0.57	200,000	0.114	-	-	0.000	0.57	200,000	0.114
3.1.2) CTG, 9MM, MMR,GREEN PRIMER (BLUE), M1041 (AC36)(†) (15)	0.67	450,000	0.303	0.74	200,000	0.148	0.56	208,000	0.116	0.56	208,000	0.116	-	-	0.000	0.56	208,000	0.116
3.1.3) CTG, 9MM, MARKING, RED, M1041 (AB14)	0.59	5,634,440	3.333	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.4) CTG, 9MM MARKING, BLUE, M1041 (AB13)	0.59	5,578,300	3.312	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.5) CTG, 9MM BALL (A363)	0.18	84,405,673	14.869	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.6) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)(†)	0.32	3,088,000	0.993	0.30	1,000,000	0.296	0.55	826,000	0.456	0.56	1,000,000	0.563	-	-	0.000	0.56	1,000,000	0.563
3.1.7) CTG 9MM BALL XM1152 (AC20)(†) (16)	0.18	250,000	0.045	0.19	8,198,000	1.558	0.20	6,000,000	1.200	0.20	6,000,000	1.200	-	-	0.000	0.20	6,000,000	1.200
3.1.8) CTG, 9MM MARKING, RED (AA12)	-	-	0.001	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.9) CTG, 9MM MARKING, BLUE (AA21)	-	-	0.001	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*23.316*	-	-	*2.002*	-	-	*1.772*	-	-	*1.993*	-	-	*0.000*	-	-	*1.993*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - (AHNSW) 9MM CARTRIDGES Cost	**-**	**-**	***23.316***	**-**	**-**	***2.002***	**-**	**-**	***1.772***	**-**	**-**	***1.993***	**-**	**-**	***0.000***	**-**	**-**	***1.993***
Hardware - (AHNSW) 7.62MM CARTRIDGES Cost																		
Recurring Cost																		
4.1.1) CTG, 7.62MM SHORT RANGE TRAINING (AA37)(†) (17)	1.52	14,221,042	21.604	-	-	0.000	2.38	800,400	1.905	2.62	600,000	1.572	-	-	0.000	2.62	600,000	1.572
4.1.2) CTG, 7.62MM, M993 AP, W/M62 Std Tracer (AA36)	0.53	880,500	0.463	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.3) CTG, 7.62MM BLANK, LINKED (A111)(†) (18)	0.46	24,665,015	11.322	0.59	3,100,000	1.829	0.59	3,100,000	1.829	0.60	3,100,000	1.860	-	-	0.000	0.60	3,100,000	1.860
4.1.4) CTG, 7.62MM BALL LINKED (NO TRACER) (A143) (19)	0.63	748,800	0.468	-	-	0.000	-	-	0.000	0.84	500,000	0.420	-	-	0.000	0.84	500,000	0.420
4.1.5) CTG, 7.62MM LINKED 9:1 DIM TRACER F/MK 44 (A257)(†) (20)	0.51	12,318,868	6.322	-	-	0.000	0.74	1,000,500	0.740	-	-	0.000	-	-	0.000	-	-	0.000
4.1.6) CTG, 7.62MM BALL (SOST) (AB50)	-	-	0.001	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.7) CTG, 7.62MM LNKD, BALL AND TRACER (A131)(†) (21)	0.60	51,630,039	30.936	0.84	2,947,200	2.474	0.84	1,000,000	0.840	0.86	3,000,000	2.580	-	-	0.000	0.86	3,000,000	2.580
4.1.8) CTG 7.62MM 4AP/1TR, LINKED XM1158 (AC09)(†) (22)	-	-	0.000	-	-	0.000	14.30	67,642	0.967	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*71.116*	-	-	*4.303*	-	-	*6.281*	-	-	*6.432*	-	-	*0.000*	-	-	*6.432*
Subtotal: Hardware - (AHNSW) 7.62MM CARTRIDGES Cost	**-**	**-**	***71.116***	**-**	**-**	***4.303***	**-**	**-**	***6.281***	**-**	**-**	***6.432***	**-**	**-**	***0.000***	**-**	**-**	***6.432***
Hardware - (AHNSW) 5.56MM CARTRIDGES Cost																		
Recurring Cost																		
5.1.2) CTG, 5.56MM JACKETED FRANGIBLE MK (AA40) (23)	0.43	2,372,991	1.028	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
5.1.3) CTG, 5.56MM BALL, CARBINE, BARRIER, MK (AB49)	0.34	1,616,760	0.554	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.4) CTG, 5.56MM CTG BALL B855 LKD F/SAW (A062) (24)	0.32	720,000	0.228	-	-	0.000	-	-	0.000	0.49	200,000	0.098	-	-	0.000	0.49	200,000	0.098
5.1.5) CTG 5.56MM BALL (A071)(†) (25)	0.36	5,428,080	1.937	0.38	1,584,240	0.602	0.38	5,001,360	1.901	0.39	4,100,000	1.599	-	-	0.000	0.39	4,100,000	1.599
5.1.6) CTG, 5.56MM, LINKED (A075)	0.38	4,800,800	1.810	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.7) CTG, 5.56MM BLANK (TRAINING ITEM) (A080)(†) (26)	0.21	9,015,130	1.878	-	-	0.000	0.25	1,500,000	0.375	0.26	1,500,000	0.383	-	-	0.000	0.26	1,500,000	0.383
5.1.8) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)(†)	0.73	3,905,716	2.866	0.85	1,500,600	1.276	-	-	0.000	0.88	736,360	0.648	-	-	0.000	0.88	736,360	0.648
5.1.9) CTG, 5.56MM LINKED (A064)	0.45	8,808,000	3.969	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.10) CTG, 5.56MM SHORT RANGE TRAINING (AB67)(†)	1.22	1,990,489	2.424	1.27	90,000	0.114	-	-	0.000	1.34	403,200	0.540	-	-	0.000	1.34	403,200	0.540
5.1.11) CTG 5.56MM BALL LFS M855A1 (AB57)(†) (27)	0.45	490,560	0.219	-	-	0.000	0.48	394,720	0.189	0.47	409,920	0.193	-	-	0.000	0.47	409,920	0.193
5.1.12) CTG 5.56MM SHORT RANGE TRAINING AMMO (AC10) (28)	1.48	361,600	0.534	-	-	0.000	-	-	0.000	2.12	160,000	0.339	-	-	0.000	2.12	160,000	0.339
5.1.13) CTG 5.56MM TRACER M856A1 (AB74)	0.79	100,040	0.079	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*17.526*	-	-	*1.992*	-	-	*2.465*	-	-	*3.800*	-	-	*0.000*	-	-	*3.800*
Subtotal: Hardware - (AHNSW) 5.56MM CARTRIDGES Cost	**-**	**-**	***17.526***	**-**	**-**	***1.992***	**-**	**-**	***2.465***	**-**	**-**	***3.800***	**-**	**-**	***0.000***	**-**	**-**	***3.800***
Hardware - (AHNSW) .50 CAL CARTRIDGES Cost																		
Recurring Cost																		
6.1.1) CTG. 50 CAL, LINKED BALL MK	5.40	600,000	3.240	-	-	0.000	5.61	700,000	3.927	5.72	625,000	3.575	-	-	0.000	5.72	625,000	3.575

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
322 MOD 1/TRAC (AC15)(†) (29)																		
6.1.2) CTG, 50 CAL, LINKED, BALL MK 322/TRACER MK (AB64)	4.62	2,694,400	12.458	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.3) CTG, CAL .50 LINKED BALL (NO TRACER) (A555) (30)	2.14	2,940,318	6.280	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.4) CTG, CAL .50 LINKED, BALL/ TRACER (A557)(†) (31)	1.89	3,834,659	7.238	2.95	109,600	0.324	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.5) CTG, CAL .50 APL MK 211 MIULTI PURPOSE (A606)	14.55	50,160	0.730	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.6) CTG, CAL .50 LINKED, M8 API/M20 API-T (A576)(†) (32)	2.12	11,591,972	24.537	3.18	216,400	0.688	-	-	0.000	3.23	300,000	0.969	-	-	0.000	3.23	300,000	0.969
6.1.7) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)(†) (33)	1.37	10,516,350	14.448	1.94	702,600	1.365	1.94	800,000	1.552	1.97	800,000	1.576	-	-	0.000	1.97	800,000	1.576
Subtotal: Recurring Cost	-	-	*68.931*	-	-	*2.377*	-	-	*5.479*	-	-	*6.120*	-	-	*0.000*	-	-	*6.120*
Subtotal: Hardware - (AHNSW) .50 CAL CARTRIDGES Cost	**-**	**-**	***68.931***	**-**	**-**	***2.377***	**-**	**-**	***5.479***	**-**	**-**	***6.120***	**-**	**-**	***0.000***	**-**	**-**	***6.120***
Hardware - (AHNSW) MATCH AMMO Cost																		
Recurring Cost																		
8.1.1) CTG, CAL .300 MATCH (A191)	1.22	864,363	1.054	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
8.1.2) CTG, CAL 45 MATCH (A483)	0.34	200,000	0.068	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
8.1.3) CTG .300 PRC HORNADY 225 GR ELD-M(TB15)	2.00	50,000	0.100	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.222*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - (AHNSW) MATCH AMMO Cost	**-**	**-**	***1.222***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AHNSW) TRANSPORTATION ACCOUNT CODE (TAC) Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
9.1.1) TRANSPORTATION ACCOUNT CODE (TAC) (34)	-	-	3.820	-	-	0.644	-	-	0.800	-	-	0.728	-	-	0.000	-	-	0.728
Subtotal: Recurring Cost	-	-	*3.820*	-	-	*0.644*	-	-	*0.800*	-	-	*0.728*	-	-	*0.000*	-	-	*0.728*
Subtotal: Hardware - (AHNSW) TRANSPORTATION ACCOUNT CODE (TAC) Cost	**-**	**-**	***3.820***	**-**	**-**	***0.644***	**-**	**-**	***0.800***	**-**	**-**	***0.728***	**-**	**-**	***0.000***	**-**	**-**	***0.728***
Support - (NS830) PRODUCTION ENGINEERING Cost																		
10.1) Production Engineering (35)	-	-	7.699	-	-	0.353	-	-	0.711	-	-	0.808	-	-	0.000	-	-	0.808
Subtotal: Support - (NS830) PRODUCTION ENGINEERING Cost	**-**	**-**	***7.699***	**-**	**-**	***0.353***	**-**	**-**	***0.711***	**-**	**-**	***0.808***	**-**	**-**	***0.000***	**-**	**-**	***0.808***
Gross/Weapon System Cost	**-**	**-**	**203.838**	**-**	**-**	**14.299**	**-**	**-**	**18.801**	**-**	**-**	**21.484**	**-**	**-**	**0.000**	**-**	**-**	**21.484**

(†) indicates the presence of a P-5a

Footnotes:

(13) Single Manager for Convention Ammunition (SMCA) Engineering Support of Items in Production (ESIP) provides for civilian personnel salaries, materiel costs and travel/per diem of civilian and military personnel performing production engineering activities directly associated with product procurement related to end items including components/parts. ESIP costs will vary year to year with the complexity of the items procured, amounts of undelivered quantity, and the amount of problems encountered by the vendors.

(14) AC37 9MM Procuring CTGs, 9MM, FX, M1041 Marking cartridges BLUE (AB36) and RED (AB37) instead of BLUE (AB13) and RED (AB14) to reduce personnel exposure to Lead during training.

(15) AC36 9MM Procuring CTGs, 9MM, FX, M1041 Marking cartridges BLUE (AB36) and RED (AB37) instead of BLUE (AB13) and RED (AB14) to reduce personnel exposure to Lead during training.

(16) Procuring CTG., 9MM, BALL, XM1152 (AC20) replaced CTG, 9MM, BALL (A363) to maintain commonality with US Army and USMC. FY 2022 (QTY 2.198M) procurement funded with Overseas Contingency Operations funding

(17) AA37 This item is procured via an Army contract that procures ammunition for multiple services. This contract utilizes matrix pricing; therefore, the unit cost is dependent on quantity procured by all services, resulting in variation from programed unit costs dependent on quantities of orders received at time of execution. The unit cost growth is a result of a decrease in procurement quantity from FY23 to FY24 and First Article Testing in FY 2024.

(18) A111 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. This item is a primary training configuration for use with 7.62mm machine guns and required to maintain readiness. FY 2024 pricing provided by SMCA.

(19) A143 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. This item is required for 7.62mm machine gun training in areas with high fire danger. FY 2024 pricing provided by SMCA.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

(20) A257 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. This is a primary combat configuration for the MK44 machine gun. FY 2024 pricing provided by SMCA.

(21) A131 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. This item is a primary combat and training configuration for the 7.62mm machine guns (other than the MK44). FY 2024 pricing provided by SMCA.

(22) AC09 This item is procured via an Army contract that procures ammunition for multiple services. This contract utilizes matrix pricing; therefore, the unit cost is dependent on quantity procured by all services, resulting in variation from programed unit costs dependent on quantities of orders received at time of execution. This item is more capable AP configuration, which will replace older AP cartridges.

(23) AA40 This item is procured via an Army contract that procures ammunition for multiple services. This contract utilizes matrix pricing; therefore, the unit cost is dependent on quantity procured by all services, resulting in variation from programed unit costs dependent on quantities of orders received at time of execution.

(24) A062 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. FY24 pricing provided by SMCA.

(25) A071 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. The cartridge is a primary training round due to training range restrictions and is necessary to maintain readiness. FY24 pricing provided by SMCA.

(26) A080 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. FY 2024 pricing provided by SMCA.

(27) AB57 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. This cartridge is a primary combat round and is being procured to build up the war reserve. FY 2024 pricing provided by SMCA.

(28) AC10 This item is procured via an Army contract that procures ammunition for multiple services. This contract utilizes matrix pricing; therefore, the unit cost is dependent on quantity procured by all services, resulting in variation from programed unit costs dependent on quantities of orders received at time of execution.

(29) AC15 Procuring CTG, .CAL 50, REDUCED RANGE AMMUNITIOIN, MK 321 MOD 1/MK 322 MOD 1 (AC15) instead of CTG, .50 CAL, REDUCED RANGE AMMUNITIOIN, MK 321 MOD 0/MK 322 MOD 0 (AB64), to maintain commonality with the USMC. Current inventory is less than half a years requirement. This configuration is used in tactical mobility training and is required due to training range surface danger zone limitations. This item is required to meet readiness standards. The unit cost growth is a result of a decrease in procurement quantity from FY 2023 to FY 2024 and First Article Testing in FY 2024.

(30) A555 This item is procured via an Army contract that procures ammunition for multiple services. This contract utilizes matrix pricing; therefore, the unit cost is dependent on quantity procured by all services, resulting in variation from programed unit costs dependent on quantities of orders received at time of execution.

(31) A557 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. FY24 pricing provided by SMCA.

(32) A576 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. FY23 pricing provided by SMCA. The unit cost growth is a result of a decrease in procurement quantity from FY 2023 to FY 2024 and First Article Testing in FY 2024.

(33) A598 Ammunition is manufactured at Lake City Army Ammunition Plant. Recent award of facility contract to new operator resulted in unit cost increases in FY 2022-FY 2027. FY 2024 pricing provided by SMCA.

(34) Decrease in TAC funding due to reduced costs required for FY 2024 ammunition procurements.

(35) Increase in production engineering funding due to increased costs required for FY 2024 ammunition procurements.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.8) GRENADE, HAND, SMOKE, VIOLET (G955)		2022	PINE BLUFF ARSENAL / White Hall, AR	C / FFP	White Hall, AR	Mar 2022	Sep 2023	13,040	107.69	Y		Aug 2021
3.1.2) CTG, 9MM, MMR,GREEN PRIMER (BLUE), M1041 (AC36)		2022	JMC ROCK ISLAND / ROCK ISLAND, IL	C / FFP	JMC ROCK ISLAND	Mar 2022	Mar 2022	200,000	0.74	Y		Dec 2021
3.1.2) CTG, 9MM, MMR,GREEN PRIMER (BLUE), M1041 (AC36)		2023	JMC ROCK ISLAND / ROCK ISLAND, IL	TBD	JMC ROCK ISLAND	Apr 2023	Apr 2023	208,000	0.56	N	Dec 2022	May 2022
3.1.2) CTG, 9MM, MMR,GREEN PRIMER (BLUE), M1041 (AC36)		2024	JMC ROCK ISLAND / ROCK ISLAND, IL	TBD	JMC ROCK ISLAND	Mar 2024	Mar 2024	208,000	0.56	N	Oct 2023	May 2023
3.1.6) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)		2022	OLIN CORP / ILLINOIS	C / FFP	EAST ALTON, IL	Apr 2022	Aug 2023	1,000,000	0.30	Y		Nov 2021
3.1.6) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)		2023	OLIN CORP / ILLINOIS	TBD	EAST ALTON, IL	Apr 2023	Aug 2024	826,000	0.55	N	Jan 2023	Oct 2022
3.1.6) CTG, 9MM REDUCED RICOCHETTE, LOW PEN (AA16)		2024	OLIN CORP / ILLINOIS	C / TBD	EAST ALTON, IL	Apr 2024	Aug 2025	1,000,000	0.56	N	Jan 2024	Oct 2023
3.1.7) CTG 9MM BALL XM1152 (AC20)		2022	SIG SAUER / EXETER, NH	C / FFP	NEWINGTON, N.H	Apr 2022	Apr 2023	8,198,000	0.19	Y		Oct 2021
3.1.7) CTG 9MM BALL XM1152 (AC20)		2023	SIG SAUER / EXETER, NH	C / TBD	NEWINGTON, N.H	Apr 2023	Apr 2024	6,000,000	0.20	N	Dec 2022	Oct 2022
3.1.7) CTG 9MM BALL XM1152 (AC20)		2024	SIG SAUER / EXETER, NH	C / TBD	NEWINGTON, N.H	Apr 2024	Apr 2025	6,000,000	0.20	N	Dec 2023	Oct 2023
4.1.1) CTG, 7.62MM SHORT RANGE TRAINING (AA37)		2023	GDOTS CANADA / CANADA	C / FFP	JMC ROCK	Oct 2022	May 2023	800,400	2.38	N	May 2023	Oct 2022
4.1.3) CTG, 7.62MM BLANK, LINKED (A111)		2022	ATK Lake City Army Ammunition Plant / Lake City	C / FFP	JMC ROCK ISLAND	May 2022	May 2022	3,100,000	0.59	Y		Oct 2021
4.1.3) CTG, 7.62MM BLANK, LINKED (A111)		2023	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / TBD	JMC ROCK ISLAND	Apr 2023	Nov 2023	3,100,000	0.59	N	Nov 2022	Sep 2022
4.1.3) CTG, 7.62MM BLANK, LINKED (A111)		2024	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / TBD	JMC ROCK ISLAND	Apr 2024	Nov 2024	3,100,000	0.60	N	Oct 2023	Aug 2023
4.1.5) CTG, 7.62MM LINKED 9:1 DIM TRACER F/MK 44 (A257)	✓	2014	TBD / TBD	C / TBD	** NO PCO **	Oct 2013	Apr 2015	150,000	0.89	N	Aug 2014	
4.1.5) CTG, 7.62MM LINKED 9:1 DIM TRACER F/MK 44 (A257)	✓	2016	TBD / TBD	C / TBD	** NO PCO **	Oct 2015	Apr 2017	522,727	0.44	N	Aug 2016	
4.1.5) CTG, 7.62MM LINKED 9:1 DIM TRACER F/MK 44 (A257)		2023	TBD / TBD	C / TBD	ROCK ISLAND, IL	Apr 2023	Apr 2024	1,000,500	0.74	N	Oct 2023	Oct 2022
4.1.7) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2022	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / FFP	EAST ALTON, IL	May 2022	May 2023	2,947,200	0.84	Y		Jul 2021
4.1.7) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2023	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / TBD	EAST ALTON, IL	Apr 2023	Apr 2024	1,000,000	0.84	N	Dec 2022	Aug 2022
4.1.7) CTG, 7.62MM LNKD, BALL AND TRACER (A131)		2024	ALLIANT TECH DBA (LCAAP) / INDEPENDENCE, MO	C / TBD	EAST ALTON, IL	May 2024	May 2025	3,000,000	0.86	N	Jan 2023	Jul 2023

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0335 / Small Arms & Lndg Party Ammo	Item Number / Title [DODIC]: 2 / Naval Special Warfare (NSW)

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.8) CTG 7.62MM 4AP/1TR, LINKED XM1158 (AC09)		2023	TBD / TBD	C / TBD	TBD	Apr 2023	Oct 2024	67,642	14.30	N	Dec 2022	Aug 2022
5.1.5) CTG 5.56MM BALL (A071)		2022	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Apr 2022	Apr 2023	1,584,240	0.38	Y		May 2021
5.1.5) CTG 5.56MM BALL (A071)		2023	ATK LAKE CITY / LAKE CITY	TBD	JMC ROCK ISLAND	Apr 2023	Apr 2024	5,001,360	0.38	N	Nov 2022	Jul 2022
5.1.5) CTG 5.56MM BALL (A071)		2024	ATK LAKE CITY / LAKE CITY	C / TBD	JMC ROCK ISLAND	May 2024	May 2025	4,100,000	0.39	N	Dec 2023	Aug 2023
5.1.7) CTG, 5.56MM BLANK (TRAINING ITEM) (A080)		2023	ATK LAKE CITY / LAKE CITY	C / TBD	JMC ROCK	Oct 2022	May 2023	1,500,000	0.25	N	May 2023	Oct 2022
5.1.8) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)		2022	BLACK HILLS AMMUNITION / RAPID CITY, SD	C / FFP	RAPID CITY, SD	Apr 2022	Oct 2023	1,500,600	0.85	Y		May 2021
5.1.8) CTG, 5.56MM 77 GRAIN, MK 262 MOD 0/1, LONG (AA53)		2024	BLACK HILLS AMMUNITION / RAPID CITY, SD	C / TBD	RAPID CITY, SD	May 2024	Nov 2025	736,360	0.88	N	Oct 2023	Feb 2023
5.1.10) CTG, 5.56MM SHORT RANGE TRAINING (AB67)		2022	GENERAL DYNAMICS CANADA / CANADA	C / FFP	ROCK ISLAND, IL	May 2022	Nov 2023	90,000	1.27	Y		Jun 2021
5.1.10) CTG, 5.56MM SHORT RANGE TRAINING (AB67)		2024	GENERAL DYNAMICS CANADA / CANADA	C / TBD	ROCK ISLAND, IL	Apr 2024	Oct 2025	403,200	1.34	N	Dec 2023	Aug 2023
5.1.11) CTG 5.56MM BALL LFS M855A1 (AB57)		2023	TBD / TBD	C / TBD	JMC ROCK ISLAND	May 2023	Nov 2024	394,720	0.48	N	Dec 2022	Oct 2022
5.1.11) CTG 5.56MM BALL LFS M855A1 (AB57)		2024	TBD / TBD	C / TBD	JMC ROCK ISLAND	Apr 2024	Oct 2025	409,920	0.47	N	Nov 2023	Jul 2023
6.1.1) CTG. 50 CAL, LINKED BALL MK 322 MOD 1/TRAC (AC15)		2023	TBD / TBD	C / TBD	JMC ROCK ISLAND	Apr 2023	Oct 2024	700,000	5.61	N	Oct 2022	Jun 2022
6.1.1) CTG. 50 CAL, LINKED BALL MK 322 MOD 1/TRAC (AC15)		2024	TBD / TBD	C / TBD	JMC ROCK ISLAND	Apr 2024	Oct 2025	625,000	5.72	N	Oct 2023	May 2023
6.1.4) CTG, CAL .50 LINKED, BALL/TRACER (A557)		2022	ATK LAKE CITY / LAKE CITY	C / FFP	Independence, MO	Apr 2022	Apr 2023	109,600	2.95	Y		Oct 2021
6.1.6) CTG, CAL .50 LINKED, M8 API/M20 API-T (A576)		2022	OLIN WINCHESTER / EAST ALTON, IL	C / FFP	JMC ROCK ISLAND	Apr 2022	Apr 2023	216,400	3.18	Y		Jun 2021
6.1.6) CTG, CAL .50 LINKED, M8 API/M20 API-T (A576)		2024	TBD / TBD	C / TBD	JMC ROCK ISLAND	May 2024	May 2025	300,000	3.23	N	Jan 2024	Sep 2023
6.1.7) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2022	ATK LAKE CITY / LAKE CITY	C / FFP	JMC ROCK ISLAND	Jul 2022	Feb 2023	702,600	1.94	Y		Aug 2021
6.1.7) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2023	ATK LAKE CITY / LAKE CITY	C / TBD	JMC ROCK ISLAND	Jun 2023	Jan 2024	800,000	1.94	N	Oct 2022	Jul 2022
6.1.7) CTG, CAL .50 LINKED, BLANK, M1A1 (A598)		2024	ATK LAKE CITY / LAKE CITY	C / TBD	JMC ROCK ISLAND	May 2024	Dec 2024	800,000	1.97	N	Dec 2023	Jun 2023

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0340 / Pyrotechnic and Demolition

ID Code (A=Service Ready, B=Not Service Ready): A | **Program Elements for Code B Items:** N/A | **Other Related Program Elements:** N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	139.730	8.757	9.480	9.521	0.000	9.521	9.727	9.915	10.140	10.377	-	207.647
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	139.730	8.757	9.480	9.521	0.000	9.521	9.727	9.915	10.140	10.377	-	207.647
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**139.730**	**8.757**	**9.480**	**9.521**	**0.000**	**9.521**	**9.727**	**9.915**	**10.140**	**10.377**	**-**	**207.647**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

Pyrotechnics and demolition materials consists of smoke and flare signals for safety of life, simulators, remote and time delay firing devices, safe and arming devices, demolition charges, blasting caps, detonating cord, time fuze, cable cutters, Improvised Explosive Device (IED) disrupters, cartridge actuated devices, shape charges, and shock test charges. These materials are used by all Navy platforms and Navy Mobile Construction Battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, fleet composite operational readiness groups, and Explosive Ordnance Disposal (EOD) groups, mobile units, detachments, and teams.

The program procures pyrotechnics and demolition materials for all active naval vessels, construction battalions, mobile diving and salvage units, cargo handling and port groups, naval security groups, and explosive ordnance disposal groups/mobile units/detachments/teams. Pyrotechnics are used for training, combat exercises, submarine rescue and personnel search, and rescue operations. These items consist of illumination, signaling, identification, and location devices using flares or smoke as the primary signaling agent. Demolitions consist of explosive devices and accessories and are required for fleet units to perform training functions and operations/requirements. Fleet requirements are based upon CNO approved allowance lists or for special needs on a case by case basis and worldwide fleet expenditures. This program also provides materials to support the ship shock test program.

Naval Special Warfare pyrotechnics and demolition materials consists of smoke and flare signals for safety of life, combat effects simulators, remote and time delay firing devices, safe and arming devices, blasting machines, demolition charges, blasting caps, detonating cord, time fuse, cable cutters, cartridge actuated devices, shape charges, and shock tube type detonators. The demolition materials are used by the Naval Special Warfare Center for initial demolition training and qualification, by SEAL platoons for constructing breaching charges, for construction of obstacles or barriers, clearance of obstacles or barriers, cable cutting, coral and channel clearance, material and equipment destruction, diversions, combat effects simulation charges, improvised incendiary charges, and defensive anti-vehicle and anti-personnel charges. Pyrotechnics are used by Naval Special Warfare for emergency or distress signaling, combat effects simulation, target marking, de-confliction, escalation of force warning, and distraction.

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Navy	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.666	9.480	9.521	-	9.521	9.727	9.915	10.140	10.377
NR	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	0.091	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0340 / Pyrotechnic and Demolition	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: N/A		

Secondary Distribution		FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028
Total: Secondary Distribution	Quantity	-	-	-	-	-	-	-	-	-
	Total Obligation Authority	8.757	9.480	9.521	-	9.521	9.727	9.915	10.140	10.377

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0340 / Pyrotechnic and Demolition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / Integrated Warfare Systems	P-5a			- / 124.893	- / 7.440	- / 7.747	- / 7.730	- / 0.000	- / 7.730
P-5	2 / Naval Special Warfare	P-5a			- / 14.837	- / 1.317	- / 1.733	- / 1.791	- / 0.000	- / 1.791
P-40	**Total Gross/Weapon System Cost**				**- / 139.730**	**- / 8.757**	**- / 9.480**	**- / 9.521**	**- / 0.000**	**- / 9.521**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 baseline funding procures pyrotechnics to support surface, air, ground, and underwater Navy requirements for training, combat exercises, submarine rescue, personnel search and rescue operations, and demolition consisting of explosive devices and accessories to support fleet units performing training and operational exercises.

Baseline funding also provides Product Improvement Programs to resolve obsolescence issues in demolition items, emergency signaling devices and submarine signals. Baseline program funds renovation of radio firing devices, remote timing device battery replacement, supply components for demolition items, and Production Engineering and Gauge requirements for pyrotechnics and demolition materials.

FY 2024 baseline funding procures pyrotechnics, demolition devices and accessories to support Naval Special Warfare (NSW) requirements for initial qualification, pre-deployment, and sustainment training, combat exercises, and testing by US Navy SEALs, Special Boat Teams, NSW Task Units/Groups and other NSW support groups. Baseline program funds are also necessary for production engineering as required by DoD and Navy safety and acquisition regulations.

OOC:
FY 2022 includes $0.118M in OOC execution.
FY 2023 includes $0.050M in OOC enacted budget.
FY 2024 includes $0.051M for the OOC budget request.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	124.893	7.440	7.747	7.730	0.000	7.730
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	124.893	7.440	7.747	7.730	0.000	7.730
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**124.893**	**7.440**	**7.747**	**7.730**	**0.000**	**7.730**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AJ100 HARDWARE Cost																		
Recurring Cost																		
1.1.1) TRANSPORTATION ACCOUNT CODE (N97)	-	-	0.256	-	-	0.010	-	-	0.016	-	-	0.016	-	-	0.000	-	-	0.016
1.1.2) TRANSPORTATION ACCOUNT CODE (N96)	-	-	1.671	-	-	0.084	-	-	0.115	-	-	0.122	-	-	0.000	-	-	0.122
1.1.3) TRANSPORTATION ACCOUNT CODE (N95)	-	-	0.147	-	-	0.014	-	-	0.014	-	-	0.014	-	-	0.000	-	-	0.014
Subtotal: Recurring Cost	-	-	*2.074*	-	-	*0.108*	-	-	*0.145*	-	-	*0.152*	-	-	*0.000*	-	-	*0.152*
Subtotal: Hardware - AJ100 HARDWARE Cost	**-**	**-**	***2.074***	**-**	**-**	***0.108***	**-**	**-**	***0.145***	**-**	**-**	***0.152***	**-**	**-**	***0.000***	**-**	**-**	***0.152***
Hardware - AJ100 PE/QA SMCA Cost																		
Recurring Cost																		
2.1.1) PE/QA SMCA	-	-	4.399	-	-	0.205	-	-	0.212	-	-	0.217	-	-	0.000	-	-	0.217
Subtotal: Recurring Cost	-	-	*4.399*	-	-	*0.205*	-	-	*0.212*	-	-	*0.217*	-	-	*0.000*	-	-	*0.217*
Subtotal: Hardware - AJ100 PE/QA SMCA Cost	**-**	**-**	***4.399***	**-**	**-**	***0.205***	**-**	**-**	***0.212***	**-**	**-**	***0.217***	**-**	**-**	***0.000***	**-**	**-**	***0.217***
Hardware - AJ100 CUTTERS & CARTRIDGES Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)(†)	187.91	37,310	7.011	193.54	4,200	0.813	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.2) CUTTER, MK33, NON-ELECTRIC IN (SS43)	997.27	1,100	1.097	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.4) CARTRIDGE, IMPULSE, MK 192 MOD 0 (MD54)	118.79	4,470	0.531	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*8.639*	-	-	*0.813*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AJ100 CUTTERS & CARTRIDGES Cost	**-**	**-**	***8.639***	**-**	**-**	***0.813***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AJ100 DET CORDS, CAPS & FUZES Cost																		
Recurring Cost																		
4.1.1) CAP, BLASTING, ELEC, INERT (MP16)	24.78	27,120	0.672	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.2) LEAD,PYROTECHNIC,MK 34 MOD 0 (DWEI)(†)	-	-	0.000	-	-	0.000	-	-	0.000	0.17	4,095,000	0.696	-	-	0.000	0.17	4,095,000	0.696
4.1.3) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)(†)	41.03	112,950	4.634	53.13	13,500	0.717	54.20	11,998	0.650	55.28	12,000	0.663	-	-	0.000	55.28	12,000	0.663
4.1.4) SQUIB, ELECTRIC, MK 20 MOD 2 (MP40)	72.47	67,134	4.865	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.5) CAP, BLASTIN, NON-ELEC, INERT (M097)	25.43	48,400	1.231	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.6) CORD, DETONATING, PRIMACORD (M456)(†)	0.72	3,807,000	2.732	-	-	0.000	0.97	252,000	0.244	-	-	0.000	-	-	0.000	-	-	0.000
4.1.7) DETONATOR, DEL, 17MS, MK 158 (DWEL)(†)	41.75	12,696	0.530	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.8) DETONATOR, DEL, 25MS, MK 160 MOD 0, 12FT (DWEN)(†)	50.21	8,007	0.402	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
4.1.9) DETONATOR, NON-ELEC, MK 121 (MP17)(†)	254.31	8,002	2.035	-	-	0.000	-	-	0.000	250.82	3,010	0.755	-	-	0.000	250.82	3,010	0.755
4.1.10) EOD REFILL KIT-LMNS (DWGJ)	740.63	1,600	1.185	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.11) FUZE, BLASTING, TIME (M670)	0.49	1,356,000	0.665	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.12) IGNITIER, TIME BLASTING FUZE (MN08)	5.35	43,956	0.235	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*19.186*	-	-	*0.717*	-	-	*0.894*	-	-	*2.114*	-	-	*0.000*	-	-	*2.114*
Subtotal: Hardware - AJ100 DET CORDS, CAPS & FUZES Cost	**-**	**-**	***19.186***	**-**	**-**	***0.717***	**-**	**-**	***0.894***	**-**	**-**	***2.114***	**-**	**-**	***0.000***	**-**	**-**	***2.114***
Hardware - MINE CHARGES & CHARGE CUTTERS Cost																		
Recurring Cost																		
5.1.1) CHG KIT, DML, MK 75 (MW84)	1,649.37	2,159	3.561	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.2) CHG, DML, BLK, COMP C-4, 1.25 (M023)	25.05	138,870	3.479	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.3) CHG, DML, XPL ROLL, 11FT (M985)	69.95	10,894	0.762	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.4) CHG, DML, XPL ROLL, 25 FT (M981)	29.62	20,495	0.607	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.5) CHG, DML, XPL ROLL, 38 FT, 14 (M980)	14.89	23,712	0.353	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.8) CUTTER, POWDER ACTUATED MK 23/1 (MN70)	333.33	1,842	0.614	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.9) VALVE, EXPLOSIVE ELECTRIC, MK 2 MOD 1 (MW02)	465.70	9,214	4.291	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.10) CUTTER, POWDER ACTUATED MK 24/1 (MN71)	992.00	1,250	1.240	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.11) CHG, DEML, MK149 MOD0 LOW HAZ FLEX LIN SHP (MM54)	75.43	11,030	0.832	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
5.1.12) Chg, Demo, Mk 145 Low Hazard Flex (MM53)	63.50	20,440	1.298	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.13) CHARGE, DEMO SHEET, FLEXIBLE, 0.043 THICK (M994)(†)	9.72	43,624	0.424	-	-	0.000	-	-	0.000	28.30	7,000	0.198	-	-	0.000	28.30	7,000	0.198
5.1.14) MK147 BATTERY (CWBD)	271.43	140	0.038	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.15) CHG, DEML, MK144 MOD 0 LOW HAZ FLEX (MM52)	45.48	16,800	0.764	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*18.263*	-	-	*0.000*	-	-	*0.000*	-	-	*0.198*	-	-	*0.000*	-	-	*0.198*
Subtotal: Hardware - MINE CHARGES & CHARGE CUTTERS Cost	**-**	**-**	***18.263***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.198***	**-**	**-**	***0.000***	**-**	**-**	***0.198***
Hardware - AJ100 N97 UNDERSEA WARFARE Cost																		
Recurring Cost																		
6.1.1) SIG, SMK ILLUM, MAR, MK 141, GREEN (LA26)(†)	1,995.50	1,110	2.215	2,837.16	170	0.482	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.2) SIG, SMK ILLUM, MAR, MK 144/118, YELLOW (LA27)(†)	5,162.95	718	3.707	-	-	0.000	-	-	0.000	2,950.10	412	1.215	-	-	0.000	2,950.10	412	1.215
6.1.3) MARKER, LOCATION, SUB, MK 140, RED (LA28)(†)	4,076.61	744	3.033	2,899.00	266	0.771	2,956.98	137	0.405	-	-	0.000	-	-	0.000	-	-	0.000
6.1.5) CTG, IMPULSE, MK148 (M663)	4,360.00	100	0.436	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.6) EXPLOSIVE BOLT CARTRIDGE (MC91)	3,320.00	150	0.498	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.7) SWITCH, SQUIB ACTUATED, MK112 (M853)	803.28	122	0.098	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
6.1.8) CTG, IMPULSE, MK 235 (MW97)	3,850.00	100	0.385	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*10.372*	-	-	*1.253*	-	-	*0.405*	-	-	*1.215*	-	-	*0.000*	-	-	*1.215*
Subtotal: Hardware - AJ100 N97 UNDERSEA WARFARE Cost	**-**	**-**	***10.372***	**-**	**-**	***1.253***	**-**	**-**	***0.405***	**-**	**-**	***1.215***	**-**	**-**	***0.000***	**-**	**-**	***1.215***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AJ100 SHOCK TEST CHARGES Cost																		
Recurring Cost																		
7.1.1) CHARGE, SHOCK TEST, 60 LB (XW65)(†)	1,575.25	2,133	3.360	-	-	0.000	2,108.78	500	1.054	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*3.360*	-	-	*0.000*	-	-	*1.054*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AJ100 SHOCK TEST CHARGES Cost	**-**	**-**	***3.360***	**-**	**-**	***0.000***	**-**	**-**	***1.054***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AJ100 SIGNALS Cost																		
Recurring Cost																		
8.1.1) SIGNAL ILLUMINATION, MK80/2 RED STAR (L258)	12.86	112,189	1.443	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60)(†)	94.92	64,242	6.098	131.93	5,000	0.660	134.57	5,848	0.787	-	-	0.000	-	-	0.000	-	-	0.000
8.1.3) SIG KIT MK 189, MOD 0 (L564)(†) (1)	182.06	1,873	0.341	32.56	200	0.007	33.21	200	0.007	143.88	200	0.029	-	-	0.000	143.88	200	0.029
8.1.4) SIGNAL KIT, PERS DISTRESS, MK79 (L118)(†)	77.02	9,426	0.726	-	-	0.000	-	-	0.000	104.70	1,868	0.196	-	-	0.000	104.70	1,868	0.196
Subtotal: Recurring Cost	-	-	*8.608*	-	-	*0.667*	-	-	*0.794*	-	-	*0.225*	-	-	*0.000*	-	-	*0.225*
Subtotal: Hardware - AJ100 SIGNALS Cost	**-**	**-**	***8.608***	**-**	**-**	***0.667***	**-**	**-**	***0.794***	**-**	**-**	***0.225***	**-**	**-**	***0.000***	**-**	**-**	***0.225***
Hardware - TRAINING DEVICES Cost																		
Recurring Cost																		
9.1.1) SIM, HAND GRENADE, M116 (L601)	15.53	46,350	0.720	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.720*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - TRAINING DEVICES Cost	**-**	**-**	***0.720***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - (AJ850) PRODUCT IMPROVEMENT Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
10.1.1) PRODUCT IMPROVEMENT (N96) Surface Warfare	-	-	7.542	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.2) PRODUCT IMPROVEMENT (N97) Undersea Warfare (2)	-	-	2.986	-	-	0.000	-	-	1.151	-	-	0.494	-	-	0.000	-	-	0.494
Subtotal: Recurring Cost	-	-	*10.528*	-	-	*0.000*	-	-	*1.151*	-	-	*0.494*	-	-	*0.000*	-	-	*0.494*
Subtotal: Hardware - (AJ850) PRODUCT IMPROVEMENT Cost	**-**	**-**	***10.528***	**-**	**-**	***0.000***	**-**	**-**	***1.151***	**-**	**-**	***0.494***	**-**	**-**	***0.000***	**-**	**-**	***0.494***
Hardware - (AJ893) RENOVATION COMPONENTS Cost																		
Recurring Cost																		
11.1.1) RENOVATION COMPONENTS	-	-	2.804	-	-	0.644	-	-	0.242	-	-	0.245	-	-	0.000	-	-	0.245
Subtotal: Recurring Cost	-	-	*2.804*	-	-	*0.644*	-	-	*0.242*	-	-	*0.245*	-	-	*0.000*	-	-	*0.245*
Subtotal: Hardware - (AJ893) RENOVATION COMPONENTS Cost	**-**	**-**	***2.804***	**-**	**-**	***0.644***	**-**	**-**	***0.242***	**-**	**-**	***0.245***	**-**	**-**	***0.000***	**-**	**-**	***0.245***
Hardware - (AJ894) GAUGE REQUIREMENTS Cost																		
Recurring Cost																		
12.1.1) GAUGE REQUIREMENTS	-	-	0.129	-	-	0.005	-	-	0.005	-	-	0.005	-	-	0.000	-	-	0.005
Subtotal: Recurring Cost	-	-	*0.129*	-	-	*0.005*	-	-	*0.005*	-	-	*0.005*	-	-	*0.000*	-	-	*0.005*
Subtotal: Hardware - (AJ894) GAUGE REQUIREMENTS Cost	**-**	**-**	***0.129***	**-**	**-**	***0.005***	**-**	**-**	***0.005***	**-**	**-**	***0.005***	**-**	**-**	***0.000***	**-**	**-**	***0.005***
Hardware - (AJ895) NON-STANDARD Cost																		
Recurring Cost																		
13.1.1) NON-STANDARD	-	-	1.478	-	-	0.205	-	-	0.108	-	-	0.115	-	-	0.000	-	-	0.115
Subtotal: Recurring Cost	-	-	*1.478*	-	-	*0.205*	-	-	*0.108*	-	-	*0.115*	-	-	*0.000*	-	-	*0.115*
Subtotal: Hardware - (AJ895) NON-STANDARD Cost	**-**	**-**	***1.478***	**-**	**-**	***0.205***	**-**	**-**	***0.108***	**-**	**-**	***0.115***	**-**	**-**	***0.000***	**-**	**-**	***0.115***
Support - (AJ830) PRODUCTION ENGINEERING Cost																		
14.1) PRODUCTION ENGINEERING (N95) Expeditionary Warfare	-	-	0.264	-	-	0.045	-	-	0.047	-	-	0.025	-	-	0.000	-	-	0.025

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
14.2) PRODUCTION ENGINEERING (N96) Surface Warfare	-	-	25.695	-	-	2.083	-	-	1.984	-	-	1.987	-	-	0.000	-	-	1.987
14.3) PRODUCTION ENGINEERING (N97) Undersea Warfare	-	-	8.374	-	-	0.695	-	-	0.706	-	-	0.738	-	-	0.000	-	-	0.738
Subtotal: Support - (AJ830) PRODUCTION ENGINEERING Cost	***-***	***-***	***34.333***	***-***	***-***	***2.823***	***-***	***-***	***2.737***	***-***	***-***	***2.750***	***-***	***-***	***0.000***	***-***	***-***	***2.750***
Gross/Weapon System Cost	**-**	**-**	**124.893**	**-**	**-**	**7.440**	**-**	**-**	**7.747**	**-**	**-**	**7.730**	**-**	**-**	**0.000**	**-**	**-**	**7.730**

Remarks:

[Hardware] AJ100: HARDWARE - Procures all up rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items. Unit costs and quantities will be adjusted during the year of execution.

[Hardware] AJ850: PRODUCT IMPROVEMENT - Provides engineering services and related efforts by government activities, the producing contractor or manufacturing installation to extend the useful military life of an item or to improve the item within the current performance envelope.

[Hardware] AJ893: RENOVATION COMPONENTS - The items purchased with funds identified for renovation components will be used to upgrade unserviceable rounds to ready-for-issue condition. The rounds to be renovated will be those with the lowest asset readiness positions.

[Hardware] AJ894: GAUGE REQUIREMENTS - Procure the gauges and test equipments necessary to check critical dimensions/parameters of ammunition items and their parts. This is to assure proper mating of parts and sub-assemblies, assure correct interfacing between the ammunition and guns, and proper ammunition performance.

[Hardware] AJ895: NON-STANDARD - The non-standard line is to support procurement of ammunition training aids and initial procurements of required non-type classified munition items.

[Support Cost] AJ830: PRODUCTION ENGINEERING - Provides for production engineering services to support new acquisition and in production ammunition.

(†) indicates the presence of a P-5a

Footnotes:

(1) Unit price increase in FY 2024 for L564 due to increased costs at government packing facility.

(2) FY 2024 Product Improvement Program addresses submarine signal obsolescence and manufacturability to decrease manufacturing time and complexity. This will be proven out through qualification and safety testing certifying the safety and reliability of the design for Navy fielding.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2021	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	NO PCO	Mar 2021	Sep 2023	5,000	189.93	Y		Oct 2018
3.1.1) CTG, 50 CAL BLANK, ELEC, MK20 (SS01)		2022	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	NO PCO	Mar 2022	Sep 2024	4,200	193.54	Y		Aug 2021
4.1.2) LEAD,PYROTECHNIC,MK 34 MOD 0 (DWEI)		2024	TBD / TBD	C / FFP	TBD	Mar 2024	Oct 2025	4,095,000	0.17	Y		Jun 2023
4.1.3) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2022	STRESAU LABS / SPOONER, WI.	C / FFP	NSWC CRANE	Mar 2022	Mar 2024	13,500	53.13	Y		Mar 2021
4.1.3) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2023	STRESAU LABS / SPOONER, WI.	C / FFP	NSWC CRANE	Mar 2023	Mar 2025	11,998	54.20	Y		Mar 2022
4.1.3) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)		2024	STRESAU LABS / SPOONER, WI.	C / FFP	NSWC CRANE	Mar 2024	Mar 2025	12,000	55.28	Y		Mar 2022
4.1.6) CORD, DETONATING, PRIMACORD (M456)		2023	TBD / TBD	C / FFP	TBD	Mar 2023	Mar 2025	252,000	0.97	Y		Mar 2022
4.1.7) DETONATOR, DEL, 17MS, MK 158 (DWEL)		2021	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Aug 2022	Feb 2024	5,856	50.20	Y		Jan 2021
4.1.8) DETONATOR, DEL, 25MS, MK 160 MOD 0, 12FT (DWEN)		2021	ENSIGN BICKFORD / SIMSBURY, CT	C / FFP	JMC ROCK ISLAND	Aug 2022	Feb 2024	8,007	50.20	Y		Jan 2021
4.1.9) DETONATOR, NON-ELEC, MK 121 (MP17)		2024	TBD / TBD	C / FFP	TBD	Mar 2024	Oct 2025	3,010	250.82	Y		Jun 2023
5.1.13) CHARGE, DEMO SHEET, FLEXIBLE, 0.043 THICK (M994)		2024	TBD / TBD	C / FFP	TBD	Mar 2024	Oct 2025	7,000	28.30	Y		Jun 2023
6.1.1) SIG, SMK ILLUM, MAR, MK 141, GREEN (LA26)		2022	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NO PCO	Mar 2022	Sep 2024	170	2,837.16	Y		Aug 2021
6.1.2) SIG, SMK ILLUM, MAR, MK 144/118, YELLOW (LA27)		2024	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	NO PCO	Mar 2024	Sep 2025	412	2,950.10	Y		Sep 2023
6.1.3) MARKER, LOCATION, SUB, MK 140, RED (LA28)		2022	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	NO PCO	Mar 2022	Sep 2024	266	2,899.00	Y		Aug 2021
6.1.3) MARKER, LOCATION, SUB, MK 140, RED (LA28)		2023 (3)	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IND	MIPR	NO PCO	Mar 2023	Sep 2025	137	2,956.98	Y		Aug 2021
7.1.1) CHARGE, SHOCK TEST, 60 LB (XW65)		2021	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NO PCO	Jul 2021	Aug 2023	500	2,026.90	Y		Oct 2020
7.1.1) CHARGE, SHOCK TEST, 60 LB (XW65)		2023	TBD / TBD	MIPR	NO PCO	Mar 2023	Mar 2025	500	2,108.78	Y		Oct 2022
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60)		2022	COMBINED SYSTEMS INC. / JAMESTOWN, NY	C / FFP	JMC ROCK ISLAND	Mar 2022	Sep 2023	5,000	131.93	Y		Aug 2021
8.1.2) SIG, SMK ILLUM, MAR, MK 124/1, DISTRESS (LA60)		2023	COMBINED SYSTEMS INC. / JAMESTOWN, NY	C / FFP	JMC ROCK ISLAND	Mar 2023	Sep 2024	5,848	134.57	Y		Aug 2021
8.1.3) SIG KIT MK 189, MOD 0 (L564)		2021	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NO PCO	Mar 2021	Oct 2023	873	31.92	Y		Apr 2018

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 1 / Integrated Warfare Systems

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
8.1.3) SIG KIT MK 189, MOD 0 (L564)		2022	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NO PCO	Mar 2022	Oct 2023	200	32.56	Y		Aug 2021
8.1.3) SIG KIT MK 189, MOD 0 (L564)		2023	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NCO PCO	Mar 2023	Oct 2024	200	33.21	Y		Aug 2022
8.1.3) SIG KIT MK 189, MOD 0 (L564)		2024	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	MIPR	NO PCO	Mar 2024	Mar 2025	200	143.88	Y		Aug 2023
8.1.4) SIGNAL KIT, PERS DISTRESS, MK79 (L118)		2024	TBD / TBD	C / FFP	NSWC CRANE	Apr 2024	Oct 2025	1,868	104.70	Y		Jul 2023

Footnotes:

(3) FY2023 buy of LA28 submarine signals indavertantly not included in PB23 P-5A exhibit.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	14.837	1.317	1.733	1.791	0.000	1.791
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	14.837	1.317	1.733	1.791	0.000	1.791
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**14.837**	**1.317**	**1.733**	**1.791**	**0.000**	**1.791**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AJNSW PE/QA SMCA Cost																		
Recurring Cost																		
1.1.1) AJNSW PE/QA SMCA (4)	-	-	0.487	-	-	0.135	-	-	0.110	-	-	0.143	-	-	0.000	-	-	0.143
Subtotal: Recurring Cost	-	-	*0.487*	-	-	*0.135*	-	-	*0.110*	-	-	*0.143*	-	-	*0.000*	-	-	*0.143*
Subtotal: Hardware - AJNSW PE/QA SMCA Cost	**-**	**-**	***0.487***	**-**	**-**	***0.135***	**-**	**-**	***0.110***	**-**	**-**	***0.143***	**-**	**-**	***0.000***	**-**	**-**	***0.143***
Hardware - AJNSW DET, CORDS, CAPS, FUZES Cost																		
Recurring Cost																		
2.1.1) INITIATOR, PYRO LEAD WATERPROOF(MM91)(†)	-	-	0.000	-	-	0.000	-	-	0.000	39.24	27,900	1.095	-	-	0.000	39.24	27,900	1.095
2.1.2) DETONATOR, W IN-LINE INITIATOR 40FT (MP29)(†)	129.47	18,831	2.438	-	-	0.000	-	-	0.000	152.62	2,588	0.395	-	-	0.000	152.62	2,588	0.395
2.1.3) CAP, BLASTING, ELECTRIC MK 18 MOD 0 (DWHH)	53.67	6,000	0.322	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) CHG, FLEX LINEAR, LOW - HAZARD (ECT) (MM24)	25.42	26,550	0.675	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.5) CHG, BOOSTER, 20 GM, MK 140 (MM30)	3.70	30,000	0.111	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.6) IGNITER, TIME BLASTING FUZE (MN08)	5.62	306,760	1.724	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.7) CONNECTOR DET CORD PLASTIC (MW49)	0.15	158,600	0.024	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*5.294*	-	-	*0.000*	-	-	*0.000*	-	-	*1.490*	-	-	*0.000*	-	-	*1.490*
Subtotal: Hardware - AJNSW DET, CORDS, CAPS, FUZES Cost	**-**	**-**	***5.294***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***1.490***	**-**	**-**	***0.000***	**-**	**-**	***1.490***
Hardware - AJNSW MINE CHARGERS & CHARGE CUTTERS Cost																		
Recurring Cost																		
3.1.1) CHG, DEMO, EXPLOSIVE SHEET, .333 (M986)	175.63	7,516	1.320	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.2) CHG, DEMO, EXPLOSIVE SHEET, .083 (M980)	15.71	25,843	0.406	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.3) CHG, DEMO, EXPLOSIVE SHEET, .125 (M981)	27.19	15,190	0.413	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.4) CHG, DEMO, 40LB BLK Cratering (M039)(†)	1,478.37	832	1.230	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.5) CHG, DML, BLK, COMP C-4, 1.25 (M023)(†) (5)	26.10	45,360	1.184	60.53	1,140	0.069	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.1.6) CHG, DEMO, MK 138 HAVERSACK C-4, 2 (M792)(†) (6)	-	-	0.000	-	-	0.000	1,501.00	1,006	1.510	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*4.553*	-	-	*0.069*	-	-	*1.510*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AJNSW MINE CHARGERS & CHARGE CUTTERS Cost	**-**	**-**	***4.553***	**-**	**-**	***0.069***	**-**	**-**	***1.510***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AJNSW TRAINING DEVICES Cost																		
Recurring Cost																		
4.1.1) SIM, HAND GRENADE, M116 (L601)(†)	17.63	74,250	1.309	24.14	32,400	0.782	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.2) FLARE, SURFACE TRIP M49 (L495)	40.60	5,000	0.203	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*1.512*	-	-	*0.782*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AJNSW TRAINING DEVICES Cost	**-**	**-**	***1.512***	**-**	**-**	***0.782***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AJNSW SIGNALS Cost																		
Recurring Cost																		
5.1.1) SIGNAL DIVERS AUDIBLE RECALL (3W92)	115.09	921	0.106	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.2) SIM, PROJ, GROUND BURST M115A2 (L594)	16.77	21,700	0.364	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.470*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AJNSW SIGNALS Cost	**-**	**-**	***0.470***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AJNSW TRANPORTATION CODE COST Cost																		
Recurring Cost																		
6.1.1) AJNSW TAC CODE (7)	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.033	-	-	0.000	-	-	0.033
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.033*	-	-	*0.000*	-	-	*0.033*
Subtotal: Hardware - AJNSW TRANPORTATION CODE COST Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.033***	**-**	**-**	***0.000***	**-**	**-**	***0.033***
Hardware - ENACTED RESCISSIONS Cost																		
Recurring Cost																		
7.1.1) ENACTED RESCISSIONS (8)	-	-	0.366	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.366*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - ENACTED RESCISSIONS Cost	**-**	**-**	***0.366***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Support - AGNSW PRODUCTION ENGINEERING Cost																		
8.1) PRODUCTION ENGINEERING	-	-	2.155	-	-	0.331	-	-	0.113	-	-	0.125	-	-	0.000	-	-	0.125
Subtotal: Support - AGNSW PRODUCTION ENGINEERING Cost	**-**	**-**	***2.155***	**-**	**-**	***0.331***	**-**	**-**	***0.113***	**-**	**-**	***0.125***	**-**	**-**	***0.000***	**-**	**-**	***0.125***
Gross/Weapon System Cost	**-**	**-**	**14.837**	**-**	**-**	**1.317**	**-**	**-**	**1.733**	**-**	**-**	**1.791**	**-**	**-**	**0.000**	**-**	**-**	**1.791**

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0340 / Pyrotechnic and Demolition	**Item Number / Title [DODIC]:** 2 / Naval Special Warfare
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Remarks:

[Hardware] HARDWARE - Procures components, load and assemble complete rounds and conduct acceptance tests. Costs associated with Transportation Account Code (TAC) are for first destination of delivery of production items for Naval Special Warfare service common items. Unit costs and quantities will be adjusted during the year of execution.

[Hardware] TRANSPORTATION CODE - Provides funding for Transportation Account Code (TAC) first destination delivery of production items and Single Manager Conventional Ammunition (SMCA) related costs.

[Support Cost] PRODUCTION ENGINEERING - Provides for production engineering services to support new acquisition and in production ammunition. Funding also supports active services in the issuance, acceptance, and safety validation/verification when fielding new munitions.

(†) indicates the presence of a P-5a

Footnotes:

(4) Single Manager for Convention Ammunition (SMCA) Engineering Support of Items in Production (ESIP) provides for civilian personnel salaries, materiel costs and travel/per diem of civilian and military personnel performing production engineering activities directly associated with product procurement related to end items including components/parts. ESIP costs will vary year to year with the complexity of the items procured, amounts of undelivered quantity, and the amount of problems encountered by the vendors.

(5) FY 2022 procurement funded with OCO funds

(6) FY 2022 procurement funded with Overseas Contingency Operations funding

(7) FY 2023 Transportation Account Code (TAC) funds allocation established to facilitate implementation of new or long range financial responsibility due to increase in shipping cost for transportation services.

(8) The FY 2022 enactment includes congressional rescission of $0.366 million in FY 2021. However, the rescission is not reflected on the P-40. The impact of these rescissions are reflected in the other cost elements.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0340 / Pyrotechnic and Demolition	Item Number / Title [DODIC]: 2 / Naval Special Warfare

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) INITIATOR, PYRO LEAD WATERPROOF(MM91)		2024	TBD / TBD	MIPR	ROCK ISLAND, IL	Apr 2024	Oct 2025	27,900	39.24	N	Dec 2023	Aug 2023
2.1.2) DETONATOR, W IN-LINE INITIATOR 40FT (MP29)		2024	TBD / TBD	MIPR	ROCK ISLAND, IL	Apr 2024	Apr 2025	2,588	152.62	N	Dec 2023	Jun 2023
3.1.4) CHG, DEMO, 40LB BLK Cratering (M039)		2021 (9)	TBD / TBD	MIPR	ROCK ISLAND, IL	Feb 2023	Aug 2024	632	0.00	N	Nov 2022	Sep 2022
3.1.5) CHG, DML, BLK, COMP C-4, 1.25 (M023)		2022	TAMERICAN ORDNANCE LLC / MIDDLETOWN, IA	C / FFP	MIDDLETOWN, IA	Aug 2022	Feb 2024	1,140	60.53	Y		Nov 2021
3.1.6) CHG, DEMO, MK 138 HAVERSACK C-4, 2 (M792)		2023	TBD / TBD	WR	NSWC CRANE	Mar 2023	Mar 2025	1,006	1,501.00	N	Oct 2022	Jul 2022
4.1.1) SIM, HAND GRENADE, M116 (L601)		2022	PYROTECHNIQUE BY GRUCCI, INC / RADFORD, VA	C / FFP	BROOKHAVEN, NY	Jun 2022	Dec 2023	32,400	24.14	Y		Oct 2021

Footnotes:

(9) Contract award delay due to multiple revisions of Acquisition Strategy on the Justification and Approval (J&A). Quantity is too small for a stand alone procurement.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	95.542	0.790	1.622	1.679	0.000	1.679	1.710	1.744	1.782	1.823	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	95.542	0.790	1.622	1.679	0.000	1.679	1.710	1.744	1.782	1.823	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**95.542**	**0.790**	**1.622**	**1.679**	**0.000**	**1.679**	**1.710**	**1.744**	**1.782**	**1.823**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

This program provides funding for ammunition with value less than $5 million. These pyrotechnic devices consist of Parachute Flares (Paraflares) and Marine Location Markers (MLMs). Paraflares provide battlefield illumination
of surface areas in search and attack operations in the near infrared spectrum (LUU-19) and are deployed from fixed wing aircraft (racks or dispensers) or rotary wing aircraft (dispensers). MLMs produce a yellow flame and white
smoke and are visible for three miles under normal operating conditions. MLMs are deployed from fixed wing aircraft racks or hand deployed from rotary wing aircraft. MLMs are also hand deployed from surface vessels.
The Mk-25 and Mk-58 MLM units are used in a variety of situations to include Search and Rescue operations, Man Overboard drills and Target Marking in support of Fleet Operations and Readiness.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Ammunition less than $5 million	P-5a, P-21			- / 95.542	- / 0.790	- / 1.622	- / 1.679	- / -	- / 1.679
P-40	**Total Gross/Weapon System Cost**				**- / 95.542**	**- / 0.790**	**- / 1.622**	**- / 1.679**	**- / 0.000**	**- / 1.679**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 funding is required to procure Mk-58 Marine Location Markers (MLMs) to enable day and night Search and Rescue operations and target marking from aircraft and surface combatants.

FY 2024 funding is required for product improvements needed for components designed as well as Production Engineering Support, Integrated Logistics Support, Reliability Life (i.e. Safety and Product Improvement Program, Quality Assurance and Acceptance Testing).

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million	**Aggregated Items Title:** Ammunition less than $5 million

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) HARDWARE																				
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)(†)	A		474.70	7,173	3.405	-	-	-	463.39	2,199	1.019	-	-	-	-	-	-	-	-	-
1.2) (A5010) MK-58 MARINE LOCATION MARKERS (2)(†)	A		656.96	46,508	30.554	434.89	450	0.196	-	-	-	455.49	2,314	1.054	-	-	-	455.49	2,314	1.054
1.3) (A5011) LUU-19 PARAFLARES	A		1,561.69	25,393	39.656	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) (A5894) Miscellaneous	A		-	-	0.685	-	-	0.050	-	-	0.054	-	-	-	-	-	-	-	-	-
Subtotal: 1) HARDWARE			**-**	**-**	***74.300***	**-**	**-**	***0.246***	**-**	**-**	***1.073***	**-**	**-**	***1.054***	**-**	**-**	**-**	**-**	**-**	***1.054***
2) PRODUCTION SUPPORT																				
2.1) (A5821) MARINE LOCATION MARKERS (3)	A		-	-	20.739	-	-	0.544	-	-	0.549	-	-	0.625	-	-	-	-	-	0.625
2.2) (A5820) LUU-19 Paraflares Support	A		-	-	0.503	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) PRODUCTION SUPPORT			**-**	**-**	***21.242***	**-**	**-**	***0.544***	**-**	**-**	***0.549***	**-**	**-**	***0.625***	**-**	**-**	**-**	**-**	**-**	***0.625***
Total			**-**	**-**	**95.542**	**-**	**-**	**0.790**	**-**	**-**	**1.622**	**-**	**-**	**1.679**	**-**	**-**	**-**	**-**	**-**	**1.679**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) (A5012) Mk-25 MARINE LOCATION MARKERS: FY 2023 through FY2027 funding reflects procurement of items every other year to meet the minimum buy requirement.

(2) (A5010) MK-58 MARINE LOCATION MARKERS: FY 2022 through FY 2028 funding reflects procurement of items every other year to meet the minimum buy requirement.

(3) (A5821) MARINE LOCATION MARKERS Production Support: FY 2024 increased due to including transportation and integrated logistics costs previously budgeted in Miscellaneous (A5894) to production support to better align costs.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 0400 / Ammunition less than $5 million	Aggregated Items: Ammunition less than $5 million

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) HARDWARE												
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)(†)		2019 (4)	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Apr 2021	Apr 2023	109	422.50	Y		Aug 2018
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)(†)		2020 (5)	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Apr 2021	Apr 2023	131	428.00	Y		Aug 2018
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)(†)		2021 (6)	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Apr 2021	Apr 2023	3,349	445.74	Y		Aug 2018
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)(†)		2023	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Apr 2023	Jan 2024	2,199	463.39	Y		Aug 2018
1.2) (A5010) MK-58 MARINE LOCATION MARKERS (2)(†)		2022	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Jun 2022	Mar 2023	450	434.89	Y		Nov 2018
1.2) (A5010) MK-58 MARINE LOCATION MARKERS (2)(†)		2024	HFI PYROTECHNICS INC / Ontario, Canada	C / FFP	Crane, IN	Jun 2024	Mar 2025	2,314	455.49	Y		Nov 2018

(†) indicates the presence of a P-21

Footnotes:

(4) FY2019 MK25 MLM deliveries delayed due to Lot Acceptance Test failure. Deliveries are resuming upon completion of failure summary analysis report.

(5) FY2020 MK25 MLM deliveries delayed due to Lot Acceptance Test failure. Deliveries are resuming upon completion of failure summary analysis report.

(6) FY2021 MK25 MLM deliveries delayed due to Lot Acceptance Test failure. Deliveries are resuming upon completion of failure summary analysis report.

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1

P-1 Line Item Number / Title: 0400 / Ammunition less than $5 million

Aggregated Items: Ammunition less than $5 million

Items (Units in Each)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) HARDWARE																															
1.1) (A5012) MK-25 MARINE LOCATION MARKERS (1)																															
Prior Years Deliveries: 3584																															
	15	2019	NAVY	109 (7)	0	109							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	109
	15	2020	NAVY	131 (8)	0	131							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	131
	15	2021	NAVY	3,349 (9)	0	3,349							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3,349
	15	2023	NAVY	2,199	0	2,199																									2,199
1.2) (A5010) MK-58 MARINE LOCATION MARKERS (2)																															
Prior Years Deliveries: 46508																															
	16	2022	NAVY	450	0	450																					A -	-	-	-	450
	16	2024	NAVY	2,314	0	2,314																									2,314
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million	**Aggregated Items:** Ammunition less than $5 million

Items (Units in Each)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) HARDWARE																															
1.1) (A5012) MK-25 MARINE LOCATION MARKERS [1]																															
Prior Years Deliveries: 3584																															
	15	2019	NAVY	109 [7]	0	109	-	-	-	-	-	-	109																		0
	15	2020	NAVY	131 [8]	0	131	-	-	-	-	-	-	131																		0
	15	2021	NAVY	3,349 [9]	0	3,349	-	-	-	-	-	-	429	1,344	1,576																0
	15	2023	NAVY	2,199	0	2,199							A -	-	-	-	-	-	-	-	-	183	183	183	183	183	183	183	183	183	552
1.2) (A5010) MK-58 MARINE LOCATION MARKERS [2]																															
Prior Years Deliveries: 46508																															
	16	2022	NAVY	450	0	450	-	-	-	-	-	38	38	38	38	38	38	37	37	37	37	37	37								0
	16	2024	NAVY	2,314	0	2,314																					A -	-	-	-	2,314
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million	**Aggregated Items:** Ammunition less than $5 million

Items (Units in Each)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1) HARDWARE																															
1.1) (A5012) MK-25 MARINE LOCATION MARKERS [1]																															
Prior Years Deliveries: 3584																															
	15	2019	NAVY	109 [7]	109	0																									0
	15	2020	NAVY	131 [8]	131	0																									0
	15	2021	NAVY	3,349 [9]	3,349	0																									0
	15	2023	NAVY	2,199	1,647	552	184	184	184																						0
1.2) (A5010) MK-58 MARINE LOCATION MARKERS [2]																															
Prior Years Deliveries: 46508																															
	16	2022	NAVY	450	450	0																									0
	16	2024	NAVY	2,314	0	2,314	-	-	-	-	-	193	193	193	193	193	193	193	193	193	193	192	192								0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 0400 / Ammunition less than $5 million	**Aggregated Items:** Ammunition less than $5 million

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	HFI PYROTECHNICS INC - Ontario, Canada	1,201	4,000	15,000	0	0	17	17	0	10	9	19
2	HFI PYROTECHNICS INC - Ontario, Canada	1,201	4,000	20,000	0	0	17	17	0	0	9	9

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Footnotes:

(7) FY2019 MK25 MLM deliveries were delayed due to Lot Acceptance Test failure. Production and deliveries are resuming upon completion of failure system analysis.

(8) FY2020 MK25 MLM deliveries were delayed due to Lot Acceptance Test failure. Production and deliveries are resuming upon completion of failure system analysis.

(9) FY2021 MK25 MLM deliveries were delayed due to Lot Acceptance Test failure. Production and deliveries are resuming upon completion of failure system analysis.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 1776 / Expeditionary Loitering Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	0.000	13.000	249.575	0.000	249.575	510.005	0.000	0.001	0.232	-	772.813
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	0.000	0.000	13.000	249.575	0.000	249.575	510.005	0.000	0.001	0.232	-	772.813
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**0.000**	**13.000**	**249.575**	**0.000**	**249.575**	**510.005**	**0.000**	**0.001**	**0.232**	**-**	**772.813**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

BLI 1776 Expeditionary Loitering Munitions (GOALKEEPER) is a Navy loitering munition program designed to meet a Geographic Combatant Commander emergent operational need. The warfighting scenario demands a rapid fielding timeline to field an All Up Round munition that includes an Autonomous Weapon System (AWS), launcher, and controller. The AWS shall be composed of government off-the-shelf and commercial off-the-shelf components for hardware and software. The system will be expeditionary and deployable by small teams to support operations in various environments.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 01: Proc Ammo, Navy / BSA 1: Navy Ammunition	**P-1 Line Item Number / Title:** 1776 / Expeditionary Loitering Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*	Quantity / Total Cost *(Each) I ($ M)*
P-40a	Expeditionary Loitering Munitions	P-5a			- / 0.000	- / -	- / 13.000	- / 249.575	- / -	- / 249.575
P-40	**Total Gross/Weapon System Cost**				**- / 0.000**	**- / 0.000**	**- / 13.000**	**- / 249.575**	**- / 0.000**	**- / 249.575**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 funds long lead time materials and the first lot of full rate production.

Increase from FY 2023 is due to the transition of an ONR Innovative Naval Prototype to an Urgent Capability Acquisition. Concurrent RDTEN and PANMC funding is due to the completion of operational assessment and initiation of full rate production.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	**P-1 Line Item Number / Title:** 1776 / Expeditionary Loitering Munitions	**Aggregated Items Title:** Expeditionary Loitering Munitions

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Expeditionary Loitering Munitions (1)																				
1.1) GOALKEEPER MATERIALS (2)(†)			-	-	-	-	-	-	14,444.00	900	13.000	14,444.00	455	6.572	-	-	-	14,444.00	455	6.572
1.2) GOALKEEPER PRODUCTION			-	-	-	-	-	-	-	-	-	-	-	0.003	-	-	-	-	-	0.003
1.3) GOALKEEPER MUNITIONS (3)(†)			-	-	-	-	-	-	-	-	-	270,000.00	900	243.000	-	-	-	270,000.00	900	243.000
Subtotal: 1) Expeditionary Loitering Munitions			**-**	**-**	***0.000***	**-**	**-**	**-**	**-**	**-**	***13.000***	**-**	**-**	***249.575***	**-**	**-**	**-**	**-**	**-**	***249.575***
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**13.000**	**-**	**-**	**249.575**	**-**	**-**	**-**	**-**	**-**	**249.575**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) Increase from FY23 is due to the transition of an ONR Innovative Naval Prototype to an Urgent Capability Acquisition. Concurrent RDTEN and PANMC funding is due to the completion of operational assessment and initiation of full rate production.

(2) FY 2023 funding procures long lead items for 900 munitions that includes microelectronics but not all up rounds.

(3) FY 2024 funding procures the first lot of full rate production.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 01 / 1	P-1 Line Item Number / Title: 1776 / Expeditionary Loitering Munitions	Aggregated Items: Expeditionary Loitering Munitions

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) Expeditionary Loitering Munitions												
1.1) GOALKEEPER MATERIALS (2)		2023	Raytheon / Tucson, AZ	SS / CPIF	Washington, DC	Jul 2023	Apr 2024	900	14,444.00	N	Jan 2024	Apr 2023
1.1) GOALKEEPER MATERIALS (2)		2024	Raytheon / Tucson, AZ	SS / CPIF	Washington, DC	Jan 2024	Apr 2024	455	14,444.00	Y		Mar 2023
1.3) GOALKEEPER MUNITIONS (3)		2024	Raytheon / Tucson, AZ	SS / CPIF	Washington, DC	Oct 2023	Oct 2024	900	270,000.00	N	Apr 2023	Jan 2023

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1085 / Mortars

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	173.387	41.228	62.713	61.274	0.000	61.274	108.900	93.868	103.416	113.253	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	173.387	41.228	62.713	61.274	0.000	61.274	108.900	93.868	103.416	113.253	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**173.387**	**41.228**	**62.713**	**61.274**	**0.000**	**61.274**	**108.900**	**93.868**	**103.416**	**113.253**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In support of Force Design and Marine Corps readiness to address Littoral Operations in Contested Environments and Indo-Pacific, the Family of Mortar Cartridges includes all 60MM mortar cartridges and 81MM mortar cartridges which consist of high explosive, smoke, illumination and full range training practice rounds.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1085 / Mortars	
ID Code (A=Service Ready, B=Not Service Ready): A	**Program Elements for Code B Items:** N/A	**Other Related Program Elements:** N/A
Line Item MDAP/MAIS Code: N/A		

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / 1085 Mortars	P-5a, P-21			- / 173.387	- / 41.228	- / 62.713	- / 61.274	- / 0.000	- / 61.274
P-40	**Total Gross/Weapon System Cost**				**- / 173.387**	**- / 41.228**	**- / 62.713**	**- / 61.274**	**- / 0.000**	**- / 61.274**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $61.274M

FY 2024 Baseline funding will support the procurement of mortars to include, DODIC C870 81MM M819 Smoke Red Phosphorus Cartridge, DODIC BA44 60MM M720A2 HE Cartridge and DODIC CA63 81MM M889A4 HE Cartridge, in provision of baseline training munitions requirements for Lightweight and Medium Weight Mortar Systems.

FY 2024 Baseline funding will also support engineering support for DODIC BA15 60MM Full Range Training Practice Cartridges, DODIC C875 81MM Full Range Training Practice Cartridge, DODIC CA66 81MM M821A4 HE Cartridge.

The budget decrease of $1.439M from FY 2023 to FY 2024 reflects the mortars requirement adjustments due to Marine Corps Force Design. This mortar ammunition is necessary to meet the munitions requirements and provide for warfighter training needs.

**These munitions are all procured via Joint Program Executive Office, Armaments and Ammunition (JPEO A&A) / Single Manager for Conventional Ammunition (SMCA) contracts, who consolidate all services buys into their procurement actions.

**These munitions have a procurement lead time of 24-36 months.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1085 / Mortars	Item Number / Title [DODIC]: 1 / 1085 Mortars
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	173.387	41.228	62.713	61.274	0.000	61.274
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	173.387	41.228	62.713	61.274	0.000	61.274
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**173.387**	**41.228**	**62.713**	**61.274**	**0.000**	**61.274**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - BA15 CARTRIDGE, 60MM FULL RANGE PRACTICE Cost																		
Recurring Cost																		
1.1.1) BA15 LOAD, ASSEMBLE AND PACK (LAP)(†)	18.57	222,944	4.139	20.32	2,449	0.050	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) BA15 FUZE PRACTICE M775(†)	20.24	229,633	4.647	22.50	2,522	0.057	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) BA15 SHELL BODY 60MM FRPC(†)	36.91	229,633	8.475	39.47	2,522	0.100	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) BA15 M702 IGNITION CARTRIDGE(†)	14.46	229,633	3.321	17.04	2,522	0.043	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) BA15 PROPELLANT CHARGE M235(†)	12.63	918,529	11.605	13.04	10,090	0.132	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) BA15 FIN ASSEMBLY M27(†)	7.60	215,281	1.637	7.85	2,522	0.020	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) BA15 PRODUCTION ENGINEERING	-	-	2.051	-	-	0.063	-	-	0.517	-	-	0.495	-	-	-	-	-	0.495
1.1.8) BA15 QUALITY ASSURANCE	-	-	1.154	-	-	0.012	-	-	-	-	-	-	-	-	-	-	-	-
1.1.9) BA15 ACCEPTANCE TESTING	-	-	1.218	-	-	0.017	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1085 / Mortars	Item Number / Title [DODIC]: 1 / 1085 Mortars
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*38.247*	-	-	*0.494*	-	-	*0.517*	-	-	*0.495*	-	-	-	-	-	*0.495*
Subtotal: Hardware - BA15 CARTRIDGE, 60MM FULL RANGE PRACTICE Cost	**-**	**-**	***38.247***	**-**	**-**	***0.494***	**-**	**-**	***0.517***	**-**	**-**	***0.495***	**-**	**-**	**-**	**-**	**-**	***0.495***
Hardware - CA63 CTG MORTAR 81MM HE FRAG Cost																		
Recurring Cost																		
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP)(†) (1)	82.01	21,423	1.757	124.23	61,790	7.676	126.71	72,370	9.170	205.19	46,893	9.622	-	-	-	205.19	46,893	9.622
2.1.2) CA63 FUZE PD, M783(†)	211.14	22,066	4.659	175.63	63,644	11.178	177.40	74,870	13.282	202.96	48,299	9.803	-	-	-	202.96	48,299	9.803
2.1.3) CA63 SHELL BODY, 81MM HE(†)	50.98	22,066	1.125	52.29	63,644	3.328	54.29	74,870	4.065	55.55	48,299	2.683	-	-	-	55.55	48,299	2.683
2.1.4) CA63 IGN CTG M299(†)	14.91	22,066	0.329	17.05	63,644	1.085	16.62	74,870	1.244	18.53	48,299	0.895	-	-	-	18.53	48,299	0.895
2.1.5) CA63 CHG PROP 81MM M220(†)	12.89	88,263	1.138	14.70	254,575	3.742	15.05	299,480	4.507	16.83	193,199	3.252	-	-	-	16.83	193,199	3.252
2.1.6) CA63 FIN MORTAR CTG M24(†)	16.45	22,066	0.363	20.50	63,644	1.305	18.15	74,870	1.359	20.65	48,299	0.997	-	-	-	20.65	48,299	0.997
2.1.7) CA63 PBXW-12 BULK EXPLOSIVE(†)	85.57	2,571	0.220	-	-	-	-	-	-	126.18	5,627	0.710	-	-	-	126.18	5,627	0.710
2.1.8) CA63 EXPLOSIVE FILL IMX-104(†)	20.23	89,977	1.820	-	-	-	-	-	-	26.13	133,645	3.492	-	-	-	26.13	133,645	3.492
2.1.9) Composition B Explosive(†) (2)	-	-	-	12.81	31,698	0.406	14.35	206,641	2.965	-	-	-	-	-	-	-	-	-
2.1.10) CA63 PRODUCTION ENGINEERING	-	-	0.919	-	-	1.069	-	-	0.831	-	-	2.995	-	-	-	-	-	2.995
2.1.11) CA63 ACCEPTANCE TESTING	-	-	0.420	-	-	0.111	-	-	0.455	-	-	0.350	-	-	-	-	-	0.350
Subtotal: Recurring Cost	-	-	*12.750*	-	-	*29.900*	-	-	*37.878*	-	-	*34.799*	-	-	-	-	-	*34.799*
Subtotal: Hardware - CA63 CTG MORTAR 81MM HE FRAG Cost	**-**	**-**	***12.750***	**-**	**-**	***29.900***	**-**	**-**	***37.878***	**-**	**-**	***34.799***	**-**	**-**	**-**	**-**	**-**	***34.799***
Hardware - CA66 CTG MORTAR 81MM HE FRAG Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1085 / Mortars	Item Number / Title [DODIC]: 1 / 1085 Mortars
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.1.1) Enacted Rescissions	-	-	3.450	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) CA66 LOAD, ASSEMBLE AND PACK (LAP)(†)	364.56	90,299	32.919	346.40	961	0.333	-	-	-	-	-	-	-	-	-	-	-	-
3.1.3) CA66 FUZE MO, M734A1(†)	234.15	91,878	21.513	254.15	990	0.252	-	-	-	-	-	-	-	-	-	-	-	-
3.1.4) CA66 SHELL BODY, 81MM HE(†)	84.75	91,878	7.787	86.59	990	0.086	-	-	-	-	-	-	-	-	-	-	-	-
3.1.5) CA66 IGN CTG M299(†)	15.53	91,878	1.427	16.14	990	0.016	-	-	-	-	-	-	-	-	-	-	-	-
3.1.6) CA66 CHG PROP 81MM M658(†)	13.25	383,511	5.082	14.06	3,959	0.056	-	-	-	-	-	-	-	-	-	-	-	-
3.1.7) CA66 FIN MORTAR CTG M24(†)	17.20	91,878	1.580	17.74	990	0.018	-	-	-	-	-	-	-	-	-	-	-	-
3.1.8) CA66 PBXW-12 BULK EXPLOSIVE(†)	97.04	11,171	1.084	90.99	115	0.010	-	-	-	-	-	-	-	-	-	-	-	-
3.1.9) CA66 EXPLOSIVE FILL IMX-104(†)	22.61	387,948	8.770	24.89	4,036	0.100	-	-	-	-	-	-	-	-	-	-	-	-
3.1.10) CA66 PRODUCTION ENGINEERING	-	-	0.931	-	-	0.061	-	-	1.032	-	-	0.989	-	-	-	-	-	0.989
3.1.11) CA66 ACCEPTANCE TESTING	-	-	0.844	-	-	0.054	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*85.387*	-	-	*0.986*	-	-	*1.032*	-	-	*0.989*	-	-	-	-	-	*0.989*
Subtotal: Hardware - CA66 CTG MORTAR 81MM HE FRAG Cost	**-**	**-**	***85.387***	**-**	**-**	***0.986***	**-**	**-**	***1.032***	**-**	**-**	***0.989***	**-**	**-**	**-**	**-**	**-**	***0.989***
Hardware - C875 CTG MORTAR 81MM FRPC Cost																		
Recurring Cost																		
4.1.1) C875 LOAD, ASSEMBLE AND PACK (LAP)(†)	41.45	186,255	7.721	46.53	41,816	1.946	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) C875 FUZE PRACTICE, M751(†)	20.01	191,572	3.833	21.56	43,070	0.929	-	-	-	-	-	-	-	-	-	-	-	-
4.1.3) C875 SHELL BODY, 81MM FRPC(†)	44.07	191,572	8.443	47.62	43,070	2.051	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1085 / Mortars	Item Number / Title [DODIC]: 1 / 1085 Mortars
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
4.1.4) C875 IGN CTG M299(†)	14.97	191,572	2.868	16.14	43,070	0.695	-	-	-	-	-	-	-	-	-	-	-	-
4.1.5) C875 CHG PROP 81MM M220(†)	13.01	766,291	9.970	15.10	172,282	2.601	-	-	-	-	-	-	-	-	-	-	-	-
4.1.6) C875 FIN MORTAR CTG M24(†)	14.88	191,572	2.850	17.74	43,070	0.764	-	-	-	-	-	-	-	-	-	-	-	-
4.1.7) C875 PRODUCTION ENGINEERING	-	-	0.592	-	-	0.533	-	-	1.042	-	-	1.238	-	-	-	-	-	1.238
4.1.8) C875 ACCEPTANCE TESTING	-	-	0.726	-	-	0.329	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost	-	-	*37.003*	-	-	*9.848*	-	-	*1.042*	-	-	*1.238*	-	-	-	-	-	*1.238*
Subtotal: Hardware - C875 CTG MORTAR 81MM FRPC Cost	**-**	**-**	***37.003***	**-**	**-**	***9.848***	**-**	**-**	***1.042***	**-**	**-**	***1.238***	**-**	**-**	**-**	**-**	**-**	***1.238***
Hardware - BA44 CTG MORTAR 60MM HE Cost																		
Recurring Cost																		
5.1.1) BA44 LOAD, ASSEMBLE, PACK (LAP)(†)	-	-	-	-	-	-	119.86	39,268	4.707	150.56	32,358	4.872	-	-	-	150.56	32,358	4.872
5.1.2) BA44 FIN ASSEMBLY M27(†)	-	-	-	-	-	-	7.63	40,053	0.306	8.26	33,328	0.275	-	-	-	8.26	33,328	0.275
5.1.3) BA44 M702 IGNITION CARTRIDGE(†) (3)	-	-	-	-	-	-	15.61	40,053	0.625	38.05	33,328	1.268	-	-	-	38.05	33,328	1.268
5.1.4) BA44 PROPELLANT CHARGE, M235(†)	-	-	-	-	-	-	15.75	161,784	2.548	16.06	133,315	2.141	-	-	-	16.06	133,315	2.141
5.1.5) BA44 EXPLOSIVE FILL IMX-104(†)	-	-	-	-	-	-	-	-	-	26.13	59,862	1.564	-	-	-	26.13	59,862	1.564
5.1.6) Composition B Explosive(†) (4)	-	-	-	-	-	-	14.35	72,646	1.042	-	-	-	-	-	-	-	-	-
5.1.7) BA44 PBWX-12 BULK EXPLOSIVE(†)	-	-	-	-	-	-	-	-	-	126.18	1,941	0.245	-	-	-	126.18	1,941	0.245
5.1.8) BA44 FUZE MOFM, M734A1(†)	-	-	-	-	-	-	259.23	40,053	10.383	283.41	33,328	9.445	-	-	-	283.41	33,328	9.445

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Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
5.1.9) BA44 SHELL BODY (HF1), 60MM HE(†)	-	-	-	-	-	-	43.06	40,053	1.725	44.31	33,328	1.477	-	-	-	44.31	33,328	1.477
5.1.10) BA44 PRODUCTION ENGINEERING	-	-	-	-	-	-	-	-	0.779	-	-	1.361	-	-	-	-	-	1.361
5.1.11) BA44 ACCEPTANCE TESTING	-	-	-	-	-	-	-	-	0.127	-	-	0.105	-	-	-	-	-	0.105
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	*22.242*	-	-	*22.753*	-	-	-	-	-	*22.753*
Subtotal: Hardware - BA44 CTG MORTAR 60MM HE Cost	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***22.242***	**-**	**-**	***22.753***	**-**	**-**	**-**	**-**	**-**	***22.753***
Hardware - C870 CTG MORTAR 81MM SMOKE Cost																		
Recurring Cost																		
6.1.1) C870 LOAD ASSEMBLE PACK(†)	-	-	-	-	-	-	-	-	-	462.25	851	0.393	-	-	-	462.25	851	0.393
6.1.2) C870 FIN MORTAR CTG M28 F/81MM M819 RP(†)	-	-	-	-	-	-	-	-	-	22.59	876	0.020	-	-	-	22.59	876	0.020
6.1.3) C870 IGN CTG M752(†)	-	-	-	-	-	-	-	-	-	24.29	876	0.021	-	-	-	24.29	876	0.021
6.1.4) C870 PROPELLANT CHARGE M218(†)	-	-	-	-	-	-	-	-	-	16.82	3,506	0.059	-	-	-	16.82	3,506	0.059
6.1.5) C870 FUZE MTSQ M772(†)	-	-	-	-	-	-	-	-	-	255.14	876	0.224	-	-	-	255.14	876	0.224
6.1.6) C870 BODY TUBE 81MM RP SMK(†)	-	-	-	-	-	-	-	-	-	41.71	876	0.037	-	-	-	41.71	876	0.037
6.1.7) C870 TAIL CONE 81MM SMOKE(†)	-	-	-	-	-	-	-	-	-	33.53	876	0.029	-	-	-	33.53	876	0.029
6.1.8) C870 GAMS(†)	-	-	-	-	-	-	-	-	-	9.92	1,770	0.018	-	-	-	9.92	1,770	0.018
6.1.9) C870 FIBER CONTAINER PA 162(†)	-	-	-	-	-	-	-	-	-	6.99	876	0.006	-	-	-	6.99	876	0.006
6.1.10) C870 METAL CONTAINER PA 157(†)	-	-	-	-	-	-	-	-	-	63.90	106	0.007	-	-	-	63.90	106	0.007

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
6.1.11) C870 PRODUCTION ENGINEERING	-	-	-	-	-	-	-	-	-	-	-	0.096	-	-	-	-	-	0.096
6.1.12) C870 ACCEPTANCE TESTING	-	-	-	-	-	-	-	-	-	-	-	0.090	-	-	-	-	-	0.090
Subtotal: Recurring Cost	-	-	-	-	-	-	-	-	-	-	-	*1.000*	-	-	-	-	-	*1.000*
Subtotal: Hardware - C870 CTG MORTAR 81MM SMOKE Cost	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***1.000***	**-**	**-**	**-**	**-**	**-**	***1.000***
Gross/Weapon System Cost	**-**	**-**	**173.387**	**-**	**-**	**41.228**	**-**	**-**	**62.713**	**-**	**-**	**61.274**	**-**	**-**	**0.000**	**-**	**-**	**61.274**

Remarks:

[Hardware] Due to unavailability of the explosive fill PBXN-12, CA63 cannot be procured. As a result, the CA43, which uses the same components as CA63 except for the explosive fill, will be procured instead. The pricing data in FY24 reflects procurement of DODIC CA43 which has a higher unit cost.

[Hardware]

[Hardware] Due to unavailability of the explosive fill PBXN-12, BA44 cannot be procured. As a result, the BA16, which uses the same components as BA44 except for the explosive fill, will be procured instead. The pricing data in FY24 reflects procurement of DODIC BA16 which has a higher unit cost.

(†) indicates the presence of a P-5a

Footnotes:

(1) FY 2022 and FY 2023 CA63 procurement changed to CA43 due to unavailability PBXN-12 explosive. CA43 contains Composition B explosive which requires less time to process compared to the IMX-104 explosive used in CA63, resulting in a lower LAP unit cost in FY 2022 and 2023. CA63 integrates IMX-104, a new insensitive munitions explosive, into the warhead which makes the mortar less susceptible to unplanned stimuli such as bullet impact and fast cook-off and is ultimately safer for Marines.

(2) FY2022 and FY2023 CA63 procurements were changed to CA43. Composition B explosive is used in the CA43 mortar cartridge.

(3) BA44 M702 Ignition Cartridge cost increase from FY 2023 to FY 2024 is due to a new contract award in FY 2024.

(4) FY2023 BA44 procurement was changed to BA16. Composition B explosive is used in the BA16 mortar cartridge while IMX-104 explosive is used in BA44.

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) BA15 LOAD, ASSEMBLE AND PACK (LAP)		2022	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2022	May 2024	2,449	20.32	Y		
1.1.2) BA15 FUZE PRACTICE M775		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2022	Aug 2023	2,522	22.50	Y		
1.1.3) BA15 SHELL BODY 60MM FRPC		2022	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2022	Aug 2023	2,522	39.47	Y		
1.1.4) BA15 M702 IGNITION CARTRIDGE		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	2,522	17.04	Y		
1.1.5) BA15 PROPELLANT CHARGE M235		2022	GENERAL DYNAMICS OTS / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	10,090	13.04	Y		
1.1.6) BA15 FIN ASSEMBLY M27		2022	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	2,522	7.85	Y		
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP)(†)		2022	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2022	May 2025	61,790	124.23	Y		
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP)(†)		2023	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	May 2026	72,370	126.71	N		
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP)(†)		2024	TBD / TBD	C / IDIQ	ROCK ISLAND, ARSENAL IL	May 2024	May 2027	46,893	205.19	Y		
2.1.2) CA63 FUZE PD, M783(†)		2022	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Jan 2022	Jan 2022	63,644	175.63	Y		Dec 2021
2.1.2) CA63 FUZE PD, M783(†)		2023	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	74,870	177.40	Y		
2.1.2) CA63 FUZE PD, M783(†)		2024	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2026	48,299	202.96	Y		
2.1.3) CA63 SHELL BODY, 81MM HE(†)		2022	GENERAL DYNAMICS OTS / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL	Jul 2022	Jan 2024	63,644	52.29	Y		
2.1.3) CA63 SHELL BODY, 81MM HE(†)		2023	GENERAL DYNAMICS OTS / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	74,870	54.29	Y		
2.1.3) CA63 SHELL BODY, 81MM HE(†)		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	48,299	55.55	Y		
2.1.4) CA63 IGN CTG M299		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2022	Sep 2023	63,644	17.05	Y		
2.1.4) CA63 IGN CTG M299		2023	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	74,870	16.62	Y		
2.1.4) CA63 IGN CTG M299		2024	TBD / TBD	C / IDIQ	ROCK ISLAND, ARSENAL IL	Mar 2024	Sep 2025	48,299	18.53	Y		
2.1.5) CA63 CHG PROP 81MM M220		2022	GENERAL DYNAMICS OTS / MARION, IL.	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2022	Sep 2023	254,575	14.70	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.5) CA63 CHG PROP 81MM M220		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	299,480	15.05	Y		
2.1.5) CA63 CHG PROP 81MM M220		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	193,199	16.83	Y		
2.1.6) CA63 FIN MORTAR CTG M24		2022	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2022	Nov 2023	63,644	20.50	Y		
2.1.6) CA63 FIN MORTAR CTG M24		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	74,870	18.15	Y		
2.1.6) CA63 FIN MORTAR CTG M24		2024	TBD / TBD	C / IDIQ	ROCK ISLAND, ARSENAL IL	Mar 2024	Sep 2025	48,299	20.65	Y		
2.1.7) CA63 PBXW-12 BULK EXPLOSIVE		2024	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND, ARSENAL IL	Mar 2024	Mar 2026	5,627	126.18	Y		
2.1.8) CA63 EXPLOSIVE FILL IMX-104		2024	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2026	133,645	26.13	Y		
2.1.9) Composition B Explosive		2022	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / TBD	** NO PCO **	Oct 2021	Oct 2021	31,698	12.81	N		
2.1.9) Composition B Explosive		2023	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	206,641	14.35	Y		
3.1.2) CA66 LOAD, ASSEMBLE AND PACK (LAP)		2020	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2020	Jun 2023	53,297	343.86	Y		
3.1.2) CA66 LOAD, ASSEMBLE AND PACK (LAP)	✓	2020	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2020	Dec 2022	2,502	332.10	Y		
3.1.2) CA66 LOAD, ASSEMBLE AND PACK (LAP)		2021	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Aug 2021	Aug 2024	34,500	398.86	Y		
3.1.2) CA66 LOAD, ASSEMBLE AND PACK (LAP)		2022	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2022	May 2025	961	346.40	Y		
3.1.3) CA66 FUZE MO, M734A1(†)		2020	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	May 2020	Nov 2022	54,896	225.00	Y		
3.1.3) CA66 FUZE MO, M734A1(†)	✓	2020	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	May 2020	Nov 2022	2,232	225.00	Y		
3.1.3) CA66 FUZE MO, M734A1(†)		2021	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJ	Dec 2020	Jun 2023	34,750	249.17	Y		
3.1.3) CA66 FUZE MO, M734A1(†)		2022	L-3 FUZING & ORDNANCE SYSTEMS, INC. / CINCINATTI, OH	C / FFP	PICATINNY ARSENAL, NJPICATINNY ARSENAL, NJ	Feb 2022	Aug 2024	990	254.15	Y		
3.1.4) CA66 SHELL BODY, 81MM HE		2020	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2020	Aug 2021	54,896	83.73	Y		
3.1.4) CA66 SHELL BODY, 81MM HE	✓	2020	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2020	Aug 2022	2,232	83.73	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.1.4) CA66 SHELL BODY, 81MM HE		2021	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2021	Oct 2022	34,750	86.45	Y		
3.1.4) CA66 SHELL BODY, 81MM HE		2022	GENERAL DYNAMICS OTS / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2022	Feb 2022	990	86.59	Y		
3.1.5) CA66 IGN CTG M299		2020	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2020	Aug 2021	54,896	15.36	Y		
3.1.5) CA66 IGN CTG M299	✓	2020	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2020	Aug 2021	2,232	15.36	Y		
3.1.5) CA66 IGN CTG M299		2021	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2020	Jun 2022	34,750	15.82	Y		
3.1.5) CA66 IGN CTG M299		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	990	16.14	Y		
3.1.6) CA66 CHG PROP 81MM M658		2020	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	219,584	12.62	Y		
3.1.6) CA66 CHG PROP 81MM M658	✓	2020	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	8,928	12.62	Y		
3.1.6) CA66 CHG PROP 81MM M658		2021	GENERAL DYNAMICS OTS / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2021	Apr 2024	154,999	14.18	Y		
3.1.6) CA66 CHG PROP 81MM M658		2022	GENERAL DYNAMICS OTS / MARION, IL	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Feb 2025	3,959	14.06	Y		
3.1.7) CA66 FIN MORTAR CTG M24		2020	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	54,896	17.05	Y		
3.1.7) CA66 FIN MORTAR CTG M24	✓	2020	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	2,232	17.05	Y		
3.1.7) CA66 FIN MORTAR CTG M24		2021	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2021	Oct 2022	34,750	17.44	Y		
3.1.7) CA66 FIN MORTAR CTG M24		2022	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	990	17.74	Y		
3.1.8) CA66 PBXW-12 BULK EXPLOSIVE		2020	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Oct 2021	6,396	88.36	Y		
3.1.8) CA66 PBXW-12 BULK EXPLOSIVE	✓	2020	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Oct 2021	260	88.36	Y		
3.1.8) CA66 PBXW-12 BULK EXPLOSIVE		2021	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2021	Aug 2022	4,515	109.89	Y		
3.1.8) CA66 PBXW-12 BULK EXPLOSIVE		2022	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	115	90.99	Y		
3.1.9) CA66 EXPLOSIVE FILL IMX-104(†)		2020	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Apr 2022	223,847	22.20	Y		

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3.1.9) CA66 EXPLOSIVE FILL IMX-104(†)	✓	2020	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Oct 2022	9,101	22.20	Y		
3.1.9) CA66 EXPLOSIVE FILL IMX-104(†)		2021	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2021	Feb 2023	155,000	23.22	Y		
3.1.9) CA66 EXPLOSIVE FILL IMX-104(†)		2022	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Feb 2024	4,036	24.89	Y		
4.1.1) C875 LOAD, ASSEMBLE AND PACK (LAP)		2020	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2020	May 2022	9,000	42.81	Y		
4.1.1) C875 LOAD, ASSEMBLE AND PACK (LAP)		2021	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2021	May 2023	8,681	40.74	Y		
4.1.1) C875 LOAD, ASSEMBLE AND PACK (LAP)		2022	DAY & ZIMMERMANN, INC. / PARSONS, KS	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2022	May 2024	41,816	46.53	Y		
4.1.2) C875 FUZE PRACTICE, M751		2020	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Dec 2019	Jun 2021	9,000	20.50	Y		
4.1.2) C875 FUZE PRACTICE, M751		2021	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Dec 2020	Jun 2022	8,941	21.09	Y		
4.1.2) C875 FUZE PRACTICE, M751		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2022	Aug 2023	43,070	21.56	Y		
4.1.3) C875 SHELL BODY, 81MM FRPC		2020	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Dec 2020	Dec 2022	9,000	44.59	Y		
4.1.3) C875 SHELL BODY, 81MM FRPC		2021	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2021	Feb 2023	8,941	45.19	Y		
4.1.3) C875 SHELL BODY, 81MM FRPC		2022	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2022	Feb 2024	43,070	47.62	Y		
4.1.4) C875 IGN CTG M299		2020	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2020	Aug 2021	9,000	15.36	Y		
4.1.4) C875 IGN CTG M299		2021	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2020	Jun 2022	8,941	15.82	Y		
4.1.4) C875 IGN CTG M299		2022	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	43,070	16.14	Y		
4.1.5) C875 CHG PROP 81MM M220		2020	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jan 2020	Jul 2021	36,000	14.51	Y		
4.1.5) C875 CHG PROP 81MM M220		2021	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2021	Aug 2022	35,766	11.97	Y		
4.1.5) C875 CHG PROP 81MM M220		2022	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	172,282	15.10	Y		
4.1.6) C875 FIN MORTAR CTG M24		2020	FLEXIBLE CONCEPTS / ELKHART, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	9,000	17.05	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.6) C875 FIN MORTAR CTG M24		2021	GAYSTON CORPORATION / SPRINGBORO, OH	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	8,941	14.85	Y		
4.1.6) C875 FIN MORTAR CTG M24		2022	GAYSTON CORPORATION / SPRINGBORO, OH	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2022	Aug 2023	43,070	17.74	Y		
5.1.1) BA44 LOAD, ASSEMBLE, PACK (LAP)		2023	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	May 2023	May 2025	39,268	119.86	Y		
5.1.1) BA44 LOAD, ASSEMBLE, PACK (LAP)		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	32,358	150.56	Y		
5.1.2) BA44 FIN ASSEMBLY M27		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	40,053	7.63	Y		
5.1.2) BA44 FIN ASSEMBLY M27		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	33,328	8.26	Y		
5.1.3) BA44 M702 IGNITION CARTRIDGE		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	40,053	15.61	Y		
5.1.3) BA44 M702 IGNITION CARTRIDGE		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	33,328	38.05	Y		
5.1.4) BA44 PROPELLANT CHARGE, M235		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2023	Jan 2025	161,784	15.75	Y		
5.1.4) BA44 PROPELLANT CHARGE, M235		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2025	133,315	16.06	Y		
5.1.5) BA44 EXPLOSIVE FILL IMX-104		2024	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Sep 2026	59,862	26.13	Y		
5.1.6) Composition B Explosive		2023	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2023	Aug 2024	72,646	14.35	Y		
5.1.7) BA44 PBWX-12 BULK EXPLOSIVE		2024	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2024	Mar 2026	1,941	126.18	Y		
5.1.8) BA44 FUZE MOFM, M734A1(†)		2023	L-3 FUZING & ORDANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	40,053	259.23	Y		
5.1.8) BA44 FUZE MOFM, M734A1(†)		2024	L-3 FUZING & ORDANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2026	33,328	283.41	Y		
5.1.9) BA44 SHELL BODY (HF1), 60MM HE		2023	GENERAL DYNAMICS OTS / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	40,053	43.06	Y		
5.1.9) BA44 SHELL BODY (HF1), 60MM HE		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	33,328	44.31	Y		
6.1.1) C870 LOAD ASSEMBLE PACK		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Feb 2026	851	462.25	Y		
6.1.2) C870 FIN MORTAR CTG M28 F/81MM M819 RP		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	876	22.59	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
6.1.3) C870 IGN CTG M752		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Jun 2025	876	24.29	Y		
6.1.4) C870 PROPELLANT CHARGE M218		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	3,506	16.82	Y		
6.1.5) C870 FUZE MTSQ M772		2024	TBD / TBD	C / FFP	ROCK ISLAND ARSENAL, IL	Feb 2024	Oct 2025	876	255.14	Y		
6.1.6) C870 BODY TUBE 81MM RP SMK		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	876	41.71	Y		
6.1.7) C870 TAIL CONE 81MM SMOKE		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	876	33.53	Y		
6.1.8) C870 GAMS		2024	DESIGN WEST ARATECH / TUSTIN, CA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	1,770	9.92	Y		
6.1.9) C870 FIBER CONTAINER PA 162		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2025	Jun 2025	876	6.99	Y		
6.1.10) C870 METAL CONTAINER PA 157		2024	BWAY CORPORATION / ATLANTA, GA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2024	Aug 2025	106	63.90	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

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Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP) (1)																															
Prior Years Deliveries: 21423																															
	1	2022	NAVY	61.790	.000	61.790																									61.790
	1	2023	NAVY	72.370	.000	72.370																									72.370
	2	2024	NAVY	46.893	.000	46.893																									46.893
2.1.2) CA63 FUZE PD, M783																															
Prior Years Deliveries: 22066																															
	3	2022	NAVY	63.644	.000	63.644																									63.644
	3	2023	NAVY	74.870	.000	74.870																									74.870
	3	2024	NAVY	48.299	.000	48.299																									48.299
2.1.3) CA63 SHELL BODY, 81MM HE																															
Prior Years Deliveries: 22066																															
	4	2022	NAVY	63.644	.000	63.644																									63.644
	4	2023	NAVY	74.870	.000	74.870																									74.870
	5	2024	NAVY	48.299	.000	48.299																									48.299
3.1.3) CA66 FUZE MO, M734A1																															
	6	2020	NAVY	54.896	.000	54.896								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54.896
✓	6	2020	NAVY	2.232	.000	2.232								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.232
	6	2021	NAVY	34.750	.000	34.750															A -	-	-	-	-	-	-	-	-	-	34.750
	6	2022	NAVY	.990	.000	.990																									.990
3.1.9) CA66 EXPLOSIVE FILL IMX-104																															
	7	2020	NAVY	223.847	.000	223.847							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	223.847
✓	7	2020	NAVY	9.101	.000	9.101							A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.101
	7	2021	NAVY	155.000	.000	155.000																	A -	-	-	-	-	-	-	-	155.000
	7	2022	NAVY	4.036	.000	4.036																									4.036
5.1.8) BA44 FUZE MOFM, M734A1																															
	8	2023	NAVY	40.053	.000	40.053																									40.053
	8	2024	NAVY	33.328	.000	33.328																									33.328
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1085 / Mortars | **Item Number / Title [DODIC]:** 1 / 1085 Mortars

Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP) [1]																															
Prior Years Deliveries: 21423																															
	1	2022	NAVY	61.790	.000	61.790								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.790
	1	2023	NAVY	72.370	.000	72.370																				A -	-	-	-	-	72.370
	2	2024	NAVY	46.893	.000	46.893																									46.893
2.1.2) CA63 FUZE PD, M783																															
Prior Years Deliveries: 22066																															
	3	2022	NAVY	63.644	.000	63.644				A6.410	4.936	6.294	6.294	6.294	6.294	6.294	6.294	6.294	8.240												.000
	3	2023	NAVY	74.870	.000	74.870																		A -	-	-	-	-	-	-	74.870
	3	2024	NAVY	48.299	.000	48.299																									48.299
2.1.3) CA63 SHELL BODY, 81MM HE																															
Prior Years Deliveries: 22066																															
	4	2022	NAVY	63.644	.000	63.644										A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63.644
	4	2023	NAVY	74.870	.000	74.870																		A -	-	-	-	-	-	-	74.870
	5	2024	NAVY	48.299	.000	48.299																									48.299
3.1.3) CA66 FUZE MO, M734A1																															
	6	2020	NAVY	54.896	.000	54.896	-	-	-	-	-	-	-	-	-	-	-	-	-	7.501	5.300	5.300	5.300	4.975	4.300	4.300	4.300	4.300	4.300	4.105	.915
✓	6	2020	NAVY	2.232	.000	2.232	-	-	-	-	-	-	-	-	-	-	-	-	-	1.232	1.000										.000
	6	2021	NAVY	34.750	.000	34.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.440	3.438	3.438	3.300	21.134
	6	2022	NAVY	.990	.000	.990					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.990
3.1.9) CA66 EXPLOSIVE FILL IMX-104																															
	7	2020	NAVY	223.847	.000	223.847	-	-	-	-	-	-	20.730	15.203	11.755	11.755	11.760	11.755	11.755	11.755	11.755	11.755	11.755	82.114							.000
✓	7	2020	NAVY	9.101	.000	9.101	-	-	-	-	-	-	-	-	-	-	-	-	3.101	3.000	3.000										.000
	7	2021	NAVY	155.000	.000	155.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.000	15.000	15.000	15.000	15.000	15.000	15.000	15.000	35.000
	7	2022	NAVY	4.036	.000	4.036					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.036
5.1.8) BA44 FUZE MOFM, M734A1																															
	8	2023	NAVY	40.053	.000	40.053																		A -	-	-	-	-	-	-	40.053
	8	2024	NAVY	33.328	.000	33.328																									33.328
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
										Calendar Year 2024												Calendar Year 2025									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP) (1)																															
Prior Years Deliveries: 21423																															
	1	2022	NAVY	61.790	.000	61.790	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.500	5.000	5.471	4.614	6.000	34.205
	1	2023	NAVY	72.370	.000	72.370	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.370
	2	2024	NAVY	46.893	.000	46.893								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.893
2.1.2) CA63 FUZE PD, M783																															
Prior Years Deliveries: 22066																															
	3	2022	NAVY	63.644	63.644	.000																									.000
	3	2023	NAVY	74.870	.000	74.870	-	-	-	-	-	-	-	-	-	-	-	7.107	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	7.000	4.763			.000
	3	2024	NAVY	48.299	.000	48.299						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.299
2.1.3) CA63 SHELL BODY, 81MM HE																															
Prior Years Deliveries: 22066																															
	4	2022	NAVY	63.644	.000	63.644	-	-	-	12.461	10.000	10.000	10.000	10.000	11.183																.000
	4	2023	NAVY	74.870	.000	74.870	-	-	-	-	-	-	-	-	-	-	-	14.870	10.000	10.000	10.000	10.000	10.000	10.000							.000
	5	2024	NAVY	48.299	.000	48.299					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.299	10.000	30.000
3.1.3) CA66 FUZE MO, M734A1																															
	6	2020	NAVY	54.896	53.981	.915	.915																								.000
✓	6	2020	NAVY	2.232	2.232	.000																									.000
	6	2021	NAVY	34.750	13.616	21.134	3.273	3.357	3.438	3.438	3.438	2.095	2.095																		.000
	6	2022	NAVY	.990	.000	.990	-	-	-	-	-	-	-	-	-	-	.990														.000
3.1.9) CA66 EXPLOSIVE FILL IMX-104																															
	7	2020	NAVY	223.847	223.847	.000																									.000
✓	7	2020	NAVY	9.101	9.101	.000																									.000
	7	2021	NAVY	155.000	120.000	35.000	15.000	15.000	5.000																						.000
	7	2022	NAVY	4.036	.000	4.036	-	-	-	-	2.196	1.840																			.000
5.1.8) BA44 FUZE MOFM, M734A1																															
	8	2023	NAVY	40.053	.000	40.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.000	12.000	12.000	4.053				.000
	8	2024	NAVY	33.328	.000	33.328						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.328
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Thousands)							Fiscal Year 2026													Fiscal Year 2027												BALANCE
							Calendar Year 2026																Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		
2.1.1) CA63 LOAD, ASSEMBLE AND PACK (LAP) (1)																																
Prior Years Deliveries: 21423																																
	1	2022	NAVY	61.790	27.585	34.205	6.000	6.000	6.000	6.000	6.000	4.205																				.000
	1	2023	NAVY	72.370	.000	72.370	-	-	-	-	-	-	-	12.000	12.000	12.000	12.000	12.000	12.370													.000
	2	2024	NAVY	46.893	.000	46.893	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.000	12.000	12.000	10.893			.000
2.1.2) CA63 FUZE PD, M783																																
Prior Years Deliveries: 22066																																
	3	2022	NAVY	63.644	63.644	.000																										.000
	3	2023	NAVY	74.870	74.870	.000																										.000
	3	2024	NAVY	48.299	.000	48.299	-	-	-	-	-	7.000	7.000	7.000	7.000	7.000	7.000	6.299														.000
2.1.3) CA63 SHELL BODY, 81MM HE																																
Prior Years Deliveries: 22066																																
	4	2022	NAVY	63.644	63.644	.000																										.000
	4	2023	NAVY	74.870	74.870	.000																										.000
	5	2024	NAVY	48.299	18.299	30.000	10.000	10.000	10.000																							.000
3.1.3) CA66 FUZE MO, M734A1																																
	6	2020	NAVY	54.896	54.896	.000																										.000
✓	6	2020	NAVY	2.232	2.232	.000																										.000
	6	2021	NAVY	34.750	34.750	.000																										.000
	6	2022	NAVY	.990	.990	.000																										.000
3.1.9) CA66 EXPLOSIVE FILL IMX-104																																
	7	2020	NAVY	223.847	223.847	.000																										.000
✓	7	2020	NAVY	9.101	9.101	.000																										.000
	7	2021	NAVY	155.000	155.000	.000																										.000
	7	2022	NAVY	4.036	4.036	.000																										.000
5.1.8) BA44 FUZE MOFM, M734A1																																
	8	2023	NAVY	40.053	40.053	.000																										.000
	8	2024	NAVY	33.328	.000	33.328	-	-	-	-	-	-	-	-	-	-	-	12.000	12.000	9.328												.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1085 / Mortars	Item Number / Title [DODIC]: 1 / 1085 Mortars

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	DAY & ZIMMERMANN, INC. - PARSONS, KS	72,000	144,000	360,000	6	6	36	42	8	8	36	44
2	TBD - TBD	72,000	144,000	360,000	6	6	30	36	8	8	30	38
3	L-3 FUZING & ORDNANCE SYSTEMS, INC. - CINCINATTI, OH	48,000	144,000	360,000	0	0	0	0	0	0	0	0
4	GENERAL DYNAMICS OTS - WILKES-BARRE, PA	72,000	144,000	360,000	6	6	18	24	0	0	0	0
5	TBD - TBD	72,000	144,000	360,000	0	0	0	0	0	0	0	0
6	L-3 FUZING & ORDNANCE SYSTEMS, INC. - CINCINATTI, OH	48,000	144,000	1,200,000	8	8	30	38	8	8	30	38
7	BAE ORDNANCE SYSTEMS - KINGSPORT, TN	48,000	144,000	360,000	8	8	24	32	8	8	30	38
8	L-3 FUZING & ORDANCE SYSTEMS INC - CINCINNATI, OH	72,000	144,000	360,000	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	284.870	132.712	52.241	73.338	0.000	73.338	55.301	62.959	87.441	61.231	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	284.870	132.712	52.241	73.338	0.000	73.338	55.301	62.959	87.441	61.231	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**284.870**	**132.712**	**52.241**	**73.338**	**0.000**	**73.338**	**55.301**	**62.959**	**87.441**	**61.231**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Direct Support Munitions budget supports a family of shoulder launched rockets. The Shoulder-Launched Multipurpose Assault Weapon (SMAW), the AT4 Confined Space (AT4 CS) and Lightweight Assault Weapon (LAW) shoulder fired family of rockets provides lightweight weapons mainly employed against and optimized to defeat light armored vehicles and other hard targets at close combat ranges. They can be employed from an enclosure or the open battlefield as assault weapons against bunkers, field fortifications, structures and other hard-point positions. Additionally, training launchers and sub-caliber practice rockets that fully simulate firing are also included.

The highly versatile Carl-Gustaf system is a true multi-role, man-portable, shoulder-fired weapon. The system offers various types of ammunition ranging from armor penetration and anti-personnel to ammunition for built-up areas, as well as special features including smoke and illumination.

The Cartridge 30mm APFSDS-T MK258 Mod 1 Linked (DODIC AB51) and the Cartridge 30MM 1 HEI-T MK266 / 1 MPLD-T MK264 Linked (DODIC AA89) provide the Amphibious Combat Vehicle with the ammunition to defeat armored vehicles and hard targets in combat. These cartridges are procured through the Navy and are combined with other service buys.

**These munitions are procured via Joint Program Executive Office, Armament and Ammunition (JPEO A&A) / Single Manager for Conventional Ammunition (SMCA) contracts, who consolidate all services buys into their procurement actions.

**These munitions have a procurement lead-time of 12-24 months

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / 120 MM, All Types	P-5a			- / 1.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000	- / 0.000
P-5	2 / Rockets, All Types	P-5a, P-21			- / 283.870	- / 132.712	- / 52.241	- / 73.338	- / 0.000	- / 73.338
P-40	**Total Gross/Weapon System Cost**				**- / 284.870**	**- / 132.712**	**- / 52.241**	**- / 73.338**	**- / 0.000**	**- / 73.338**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $73.338M

FY 2024 Baseline funding supports the procurement of several direct support munitions, including the 66MM Anti-Structure Lightweight Assault Weapon (LAW) Fire From Enclosure (FFE)(HB25), 66MM High Explosive Anti-Armor Rocket (DODIC HB26), the 84MM Carl-Gustaf family of ammunition, and the 7.62MM Tracer (TR) Cartridge (DODIC A254).

The increase of $21.097M from FY 2023 to FY 2024 supports increased requirements of the following DODICs AA89, AB51, C385, C386, CA27, CA41, HA21, HA29 and HB25 to provide for War Reserve Material Requirement and training requirements in support of fleet Marine Force Operational requirements. The following DODICs were decreased from FY 2023 to FY 2024 in accordance with the TMR: CA20, CA21, CA36, CA51, AC05, and CA30.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 1 / 120 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1.000	0.000	0.000	0.000	0.000	0.000
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1.000	0.000	0.000	0.000	0.000	0.000
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.000**	**0.000**	**0.000**	**0.000**	**0.000**	**0.000**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - CA04 Ctg Mortar 120mm HE M934 Cost																		
Recurring Cost																		
1.1.1) CA04 Load, Assemble, Pack (LAP)(†)	146.46	1,072	0.157	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) CA04 Shell Body 120mm HE(†)	143.12	1,104	0.158	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) CA04 Ignition Cartridge M1020(†)	24.46	1,104	0.027	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.4) COMP B Type I Grade A(†)	13.47	9,648	0.130	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.5) CA04 Propellant Charge M234A1(†)	21.28	4,417	0.094	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.6) CA04 Fin Assembly M31(†)	45.29	1,104	0.050	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.7) CA04 Fuze MOFM M734A1(†)	280.80	1,104	0.310	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.8) CA04 Production Engineering	-	-	0.062	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.9) CA04 Acceptance Testing	-	-	0.012	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 1 / 120 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - CA04 Ctg Mortar 120mm HE M934 Cost	-	-	1.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Gross/Weapon System Cost	-	-	1.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 1 / 120 MM, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) CA04 Load, Assemble, Pack (LAP)		2020	GENERAL DYNAMICS CANADA / CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Mar 2024	1,072	146.76	Y		
1.1.2) CA04 Shell Body 120mm HE		2020	MEDICO INDUSTRIES INC. / WILKES BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Sep 2021	1,104	142.79	Y		
1.1.3) CA04 Ignition Cartridge M1020		2020	NAMMO POCAL INDUSTRIES 1 / SCRANTON, PA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2020	Aug 2021	1,104	24.15	Y		
1.1.4) COMP B Type I Grade A		2020 (1)	GFM / N/A	Reqn	PICATINNY ARSENAL, NJ	Feb 2020	Aug 2022	9,648	13.52	Y		
1.1.5) CA04 Propellant Charge M234A1		2020	AMERICAN ORDANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	4,417	21.25	Y		
1.1.6) CA04 Fin Assembly M31		2020	MACHINING TECHINOLOGIES INC / SALISBURY, MD	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Sep 2021	1,104	45.15	Y		
1.1.7) CA04 Fuze MOFM M734A1		2020	L-3 FUZING & ORDANCE SYSTEMS INC / CINCINNATI, OH	C / FFP	PICATINNY ARSENAL, NJ	Apr 2020	Apr 2022	1,104	280.62	Y		

Footnotes:

(1) Government Furnished Material Stock Issue.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 2 / Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	283.870	132.712	52.241	73.338	0.000	73.338
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	283.870	132.712	52.241	73.338	0.000	73.338
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**283.870**	**132.712**	**52.241**	**73.338**	**0.000**	**73.338**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - HA29 ROCKET 66MM HE M72A7 LAW WITH GRAZE Cost																		
Recurring Cost																		
1.1.1) HA29 COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	-	-	0.000	8,011.19	115	0.921	-	-	0.000	8,011.19	115	0.921
1.1.2) HA29 PRODUCTION ENGINEERING	-	-	0.385	-	-	0.000	-	-	0.000	-	-	0.038	-	-	0.000	-	-	0.038
Subtotal: Recurring Cost	-	-	*0.385*	-	-	*0.000*	-	-	*0.000*	-	-	*0.959*	-	-	*0.000*	-	-	*0.959*
Subtotal: Hardware - HA29 ROCKET 66MM HE M72A7 LAW WITH GRAZE Cost	**-**	**-**	***0.385***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.959***	**-**	**-**	***0.000***	**-**	**-**	***0.959***
Hardware - HA21 ROCKET 21MM TRAINING Cost																		
Recurring Cost																		
2.1.1) HA21 COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	-	-	0.000	129.08	20,058	2.589	-	-	0.000	129.08	20,058	2.589
2.1.2) HA21 PRODUCTION ENGINEERING	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.026	-	-	0.000	-	-	0.026
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*2.615*	-	-	*0.000*	-	-	*2.615*
Subtotal: Hardware - HA21 ROCKET 21MM TRAINING Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***2.615***	**-**	**-**	***0.000***	**-**	**-**	***2.615***
Hardware - HB25 ROCKET 66MM ANTI-STRUCTURE LAW FFE Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 2 / Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
3.1.1) HB25 COMPLETE ROUND(†) (2)	9,306.60	6,122	56.975	9,465.17	3,115	29.484	9,886.99	97	0.959	10,084.73	2,443	24.637	-	-	0.000	10,084.73	2,443	24.637
3.1.2) HB25 PRODUCTION ENGINEERING	-	-	0.014	-	-	0.000	-	-	0.088	-	-	0.032	-	-	0.000	-	-	0.032
Subtotal: Recurring Cost	-	-	*56.989*	-	-	*29.484*	-	-	*1.047*	-	-	*24.669*	-	-	*0.000*	-	-	*24.669*
Subtotal: Hardware - HB25 ROCKET 66MM ANTI-STRUCTURE LAW FFE Cost	**-**	**-**	***56.989***	**-**	**-**	***29.484***	**-**	**-**	***1.047***	**-**	**-**	***24.669***	**-**	**-**	***0.000***	**-**	**-**	***24.669***
Hardware - HB26 ROCKET 66MM HE ANTI ARMOR Cost																		
Recurring Cost																		
4.1.1) HB26 COMPLETE ROUND(†) (3)	9,018.05	2,659	23.979	9,189.49	3,283	30.169	9,572.36	943	9.027	9,763.81	86	0.840	-	-	0.000	9,763.81	86	0.840
4.1.2) PRODUCTION ENGINEERING	-	-	0.010	-	-	0.736	-	-	0.822	-	-	0.134	-	-	0.000	-	-	0.134
Subtotal: Recurring Cost	-	-	*23.989*	-	-	*30.905*	-	-	*9.849*	-	-	*0.974*	-	-	*0.000*	-	-	*0.974*
Subtotal: Hardware - HB26 ROCKET 66MM HE ANTI ARMOR Cost	**-**	**-**	***23.989***	**-**	**-**	***30.905***	**-**	**-**	***9.849***	**-**	**-**	***0.974***	**-**	**-**	***0.000***	**-**	**-**	***0.974***
Hardware - HX07 ROCKET, 83MM HEAA PRACTICE Cost																		
Recurring Cost																		
5.1.1) HX07 COMPLETE ROUND(†)	3,629.51	12,632	45.848	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
5.1.2) PRODUCTION ENGINEERING	-	-	1.823	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*47.671*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - HX07 ROCKET, 83MM HEAA PRACTICE Cost	**-**	**-**	***47.671***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - CA30 ROCKET 84MM CONFINED SPACE (AT4) Cost																		
Recurring Cost																		
6.1.1) CA30 COMPLETE ROUND(†)	-	-	32.593	2,806.08	10,641	29.859	-	-	0.000	3,231.53	291	0.940	-	-	0.000	3,231.53	291	0.940
6.1.2) PRODUCTION ENGINEERING	-	-	0.165	-	-	0.000	-	-	1.047	-	-	0.060	-	-	0.000	-	-	0.060

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*32.758*	-	-	*29.859*	-	-	*1.047*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - CA30 ROCKET 84MM CONFINED SPACE (AT4) Cost	**-**	**-**	***32.758***	**-**	**-**	***29.859***	**-**	**-**	***1.047***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - A254 CTG 7.62MM TR ADAPTR CARL GUSTAF Cost																		
Recurring Cost																		
7.1.1) A254 COMPLETE ROUND(†)	2.62	304,314	0.797	2.61	154,198	0.402	2.81	139,886	0.393	2.96	147,098	0.435	-	-	0.000	2.96	147,098	0.435
7.1.2) PRODUCTION ENGINEERING	-	-	0.033	-	-	0.000	-	-	0.033	-	-	0.021	-	-	0.000	-	-	0.021
Subtotal: Recurring Cost	-	-	*0.830*	-	-	*0.402*	-	-	*0.426*	-	-	*0.456*	-	-	*0.000*	-	-	*0.456*
Subtotal: Hardware - A254 CTG 7.62MM TR ADAPTR CARL GUSTAF Cost	**-**	**-**	***0.830***	**-**	**-**	***0.402***	**-**	**-**	***0.426***	**-**	**-**	***0.456***	**-**	**-**	***0.000***	**-**	**-**	***0.456***
Hardware - C385 CTG, 84MM, SMOKE Cost																		
Recurring Cost																		
8.1.1) C385 COMPLETE ROUND(†)	1,078.18	8,813	9.502	4,519.18	400	1.808	4,745.14	250	1.186	5,006.12	1,350	6.758	-	-	0.000	5,006.12	1,350	6.758
8.1.2) PRODUCTION ENGINEERING	-	-	0.130	-	-	0.095	-	-	0.102	-	-	0.068	-	-	0.000	-	-	0.068
8.1.3) FIRST ARTICLE TEST	-	-	0.064	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*9.696*	-	-	*1.903*	-	-	*1.288*	-	-	*6.826*	-	-	*0.000*	-	-	*6.826*
Subtotal: Hardware - C385 CTG, 84MM, SMOKE Cost	**-**	**-**	***9.696***	**-**	**-**	***1.903***	**-**	**-**	***1.288***	**-**	**-**	***6.826***	**-**	**-**	***0.000***	**-**	**-**	***6.826***
Hardware - C386 CTG, 84MM, TP 552 (MAAWS) Cost																		
Recurring Cost																		
9.1.1) C386 COMPLETE ROUND(†)	2,212.14	6,510	14.401	-	-	0.000	-	-	0.000	1,380.61	700	0.966	-	-	0.000	1,380.61	700	0.966
9.1.2) PRODUCTION ENGINEERING	-	-	0.147	-	-	0.000	-	-	0.000	-	-	0.034	-	-	0.000	-	-	0.034
Subtotal: Recurring Cost	-	-	*14.548*	-	-	*0.000*	-	-	*0.000*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - C386 CTG, 84MM, TP 552 (MAAWS) Cost	**-**	**-**	***14.548***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - CA10 CTG 84MM TPT ROUND Cost																		
Recurring Cost																		

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
10.1.1) CA10 COMPLETE ROUND(†)	470.41	25,397	11.947	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.2) PRODUCTION ENGINEERING	-	-	0.561	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
10.1.3) ACCEPTANCE TESTING	-	-	0.055	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*12.563*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - CA10 CTG 84MM TPT ROUND Cost	**-**	**-**	***12.563***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - CA20 CTG 84MM HE AT (HEAT) Cost																		
Recurring Cost																		
11.1.1) CA20 COMPLETE ROUND(†) (4)	2,876.58	3,476	9.999	3,926.90	919	3.609	3,084.55	2,060	6.354	4,350.03	271	1.179	-	-	0.000	4,350.03	271	1.179
11.1.2) PRODUCTION ENGINEERING	-	-	0.122	-	-	0.000	-	-	0.552	-	-	0.023	-	-	0.000	-	-	0.023
Subtotal: Recurring Cost	-	-	*10.121*	-	-	*3.609*	-	-	*6.906*	-	-	*1.202*	-	-	*0.000*	-	-	*1.202*
Subtotal: Hardware - CA20 CTG 84MM HE AT (HEAT) Cost	**-**	**-**	***10.121***	**-**	**-**	***3.609***	**-**	**-**	***6.906***	**-**	**-**	***1.202***	**-**	**-**	***0.000***	**-**	**-**	***1.202***
Hardware - CA21 CTG 84MM HEDP Cost																		
Recurring Cost																		
12.1.1) CA21 COMPLETE ROUND(†)	1,926.76	6,936	13.364	1,964.95	1,629	3.201	2,742.92	2,150	5.897	3,628.47	923	3.349	-	-	0.000	3,628.47	923	3.349
12.1.2) PRODUCTION ENGINEERING	-	-	0.415	-	-	0.000	-	-	0.518	-	-	0.166	-	-	0.000	-	-	0.166
12.1.3) ACCEPTANCE TESTING	-	-	0.084	-	-	0.000	-	-	0.090	-	-	0.090	-	-	0.000	-	-	0.090
Subtotal: Recurring Cost	-	-	*13.863*	-	-	*3.201*	-	-	*6.505*	-	-	*3.605*	-	-	*0.000*	-	-	*3.605*
Subtotal: Hardware - CA21 CTG 84MM HEDP Cost	**-**	**-**	***13.863***	**-**	**-**	***3.201***	**-**	**-**	***6.505***	**-**	**-**	***3.605***	**-**	**-**	***0.000***	**-**	**-**	***3.605***
Hardware - CA27 CTG 84MM M3 HE FFV Cost																		
Recurring Cost																		

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Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 2 / Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
13.1.1) CA27 COMPLETE ROUND(†)	2,165.58	6,130	13.275	3,577.61	530	1.896	2,739.65	603	1.652	2,727.93	1,996	5.445	-	-	0.000	2,727.93	1,996	5.445
13.1.2) PRODUCTION ENGINEERING	-	-	0.474	-	-	0.000	-	-	0.149	-	-	0.129	-	-	0.000	-	-	0.129
13.1.3) ACCEPTANCE TESTING	-	-	0.158	-	-	0.000	-	-	0.027	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*13.907*	-	-	*1.896*	-	-	*1.828*	-	-	*5.574*	-	-	*0.000*	-	-	*5.574*
Subtotal: Hardware - CA27 CTG 84MM M3 HE FFV Cost	**-**	**-**	***13.907***	**-**	**-**	***1.896***	**-**	**-**	***1.828***	**-**	**-**	***5.574***	**-**	**-**	***0.000***	**-**	**-**	***5.574***
Hardware - CA36 CTG 84MM GUSTAF ILLUM Cost																		
Recurring Cost																		
14.1.1) CA36 COMPLETE ROUND(†)	1,927.11	8,959	17.265	2,024.09	7,500	15.181	2,197.58	3,123	6.863	2,242.19	435	0.975	-	-	0.000	2,242.19	435	0.975
14.1.2) PRODUCTION ENGINEERING	-	-	0.489	-	-	0.205	-	-	0.596	-	-	0.025	-	-	0.000	-	-	0.025
Subtotal: Recurring Cost	-	-	*17.754*	-	-	*15.386*	-	-	*7.459*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - CA36 CTG 84MM GUSTAF ILLUM Cost	**-**	**-**	***17.754***	**-**	**-**	***15.386***	**-**	**-**	***7.459***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - CA41 CTG 84MM ANTI-STRUCTURE MUNITION Cost																		
Recurring Cost																		
15.1.1) CA41 COMPLETE ROUND(†) (5)	3,241.09	4,600	14.909	7,888.84	1,038	8.189	3,506.55	594	2.083	8,738.86	1,138	9.945	-	-	0.000	8,738.86	1,138	9.945
15.1.2) PRODUCTION ENGINEERING	-	-	0.009	-	-	0.039	-	-	0.181	-	-	0.240	-	-	0.000	-	-	0.240
Subtotal: Recurring Cost	-	-	*14.918*	-	-	*8.228*	-	-	*2.264*	-	-	*10.185*	-	-	*0.000*	-	-	*10.185*
Subtotal: Hardware - CA41 CTG 84MM ANTI-STRUCTURE MUNITION Cost	**-**	**-**	***14.918***	**-**	**-**	***8.228***	**-**	**-**	***2.264***	**-**	**-**	***10.185***	**-**	**-**	***0.000***	**-**	**-**	***10.185***
Hardware - CA51 CTG 84MM CARL GUSTAF MULTI-TARGET Cost																		
Recurring Cost																		
16.1.1) CA51 COMPLETE ROUND(†)	7,702.66	713	5.492	4,730.10	1,543	7.299	4,966.60	1,240	6.159	5,239.76	839	4.396	-	-	0.000	5,239.76	839	4.396

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 2 / Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
16.1.2) PRODUCTION ENGINEERING	-	-	0.087	-	-	0.000	-	-	0.531	-	-	0.098	-	-	0.000	-	-	0.098
Subtotal: Recurring Cost	-	-	*5.579*	-	-	*7.299*	-	-	*6.690*	-	-	*4.494*	-	-	*0.000*	-	-	*4.494*
Subtotal: Hardware - CA51 CTG 84MM CARL GUSTAF MULTI-TARGET Cost	**-**	**-**	***5.579***	**-**	**-**	***7.299***	**-**	**-**	***6.690***	**-**	**-**	***4.494***	**-**	**-**	***0.000***	**-**	**-**	***4.494***
Hardware - AC05 20MM Carl Gustaf Trainer system Cost																		
Recurring Cost																		
17.1.1) AC05 COMPLETE ROUNDS(†) (6)	93.64	87,900	8.231	-	-	0.000	73.60	94,188	6.932	77.65	12,800	0.994	-	-	0.000	77.65	12,800	0.994
17.1.2) PRODUCTION ENGINEERING	-	-	0.068	-	-	0.000	-	-	0.000	-	-	0.006	-	-	0.000	-	-	0.006
Subtotal: Recurring Cost	-	-	*8.299*	-	-	*0.000*	-	-	*6.932*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - AC05 20MM Carl Gustaf Trainer system Cost	**-**	**-**	***8.299***	**-**	**-**	***0.000***	**-**	**-**	***6.932***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - AB51 Cartridge, 30mm APFSDS-T MK258 Mod 1 Linked Cost																		
Recurring Cost																		
18.1.1) AB51 COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	-	-	0.000	455.71	6,934	3.160	-	-	0.000	455.71	6,934	3.160
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*3.160*	-	-	*0.000*	-	-	*3.160*
Subtotal: Hardware - AB51 Cartridge, 30mm APFSDS-T MK258 Mod 1 Linked Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***3.160***	**-**	**-**	***0.000***	**-**	**-**	***3.160***
Hardware - AA89 Cartridge, 30mm 1 HEI-T MK266 / 1 MPLD-T MK264 Linked Cost																		
Recurring Cost																		
19.1.1) AA89 Complete Round(†)	-	-	0.000	-	-	0.000	-	-	0.000	294.00	15,710	4.619	-	-	0.000	294.00	15,710	4.619
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*4.619*	-	-	*0.000*	-	-	*4.619*
Subtotal: Hardware - AA89 Cartridge, 30mm 1 HEI-T MK266 / 1 MPLD-T MK264 Linked Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***4.619***	**-**	**-**	***0.000***	**-**	**-**	***4.619***
Hardware - L498 PERCUSSION, f/SUB-CAL ADAPTER, 84MM Cost																		
Recurring Cost																		
20.1.1) L498 Complete Round(†)	-	-	0.000	2.92	184,931	0.540	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1125 / Direct Support Munitions	Item Number / Title [DODIC]: 2 / Rockets, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.540*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - L498 PERCUSSION, f/SUB-CAL ADAPTER, 84MM Cost	**-**	**-**	***0.000***	**-**	**-**	***0.540***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Gross/Weapon System Cost	**-**	**-**	**283.870**	**-**	**-**	**132.712**	**-**	**-**	**52.241**	**-**	**-**	**73.338**	**-**	**-**	**0.000**	**-**	**-**	**73.338**

(†) indicates the presence of a P-5a

Footnotes:

(2) Increase from FY2023 to FY2024 is due to an upward adjustment in the TMR inventory requirement.

(3) Decrease from FY 2023 to FY 2024 is due to a downward adjustment in the TMR inventory requirement.

(4) Unit price increase from FY 2023 to FY 2024 is due to the USMC being the only service buying this round, resulting in an inability to take advantage of step ladder pricing from a multiple service buy. Decrease in total cost from FY 2023 to FY 2024 is a result of requirement adjustments throughout the FYDP to align with the Marine Corps Force Design.

(5) CA41 Complete Round: Increase in the amount from FY 2023 to FY 2024 was due to USMC buying alone this FY and the minimum to buy this round is $10.000M due to the cost of explosive binding. Additionally, there are requirement adjustments through the FYDP due to the Marine Corps Force Design.

(6) Decrease from FY 2023 to FY 2024 is due to a downward adjustment in the TMR inventory requirement.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) HA29 COMPLETE ROUND(†)		2024	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	115	8,011.19	Y		
2.1.1) HA21 COMPLETE ROUND(†)		2024	NAMMO Talley Defense Systems / Mesa, AZ	C / IDDQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	20,058	129.08	Y		
3.1.1) HB25 COMPLETE ROUND(†)		2020	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2021	Sep 2022	2,967	9,097.63	Y		
3.1.1) HB25 COMPLETE ROUND(†)		2021	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2021	Sep 2022	3,155	9,503.07	Y		
3.1.1) HB25 COMPLETE ROUND(†)		2022	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2022	Jun 2023	3,115	9,465.17	Y		
3.1.1) HB25 COMPLETE ROUND(†)		2023	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	97	9,886.99	Y		
3.1.1) HB25 COMPLETE ROUND(†)		2024	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	2,443	10,084.73	Y		
4.1.1) HB26 COMPLETE ROUND(†)		2020	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2021	Sep 2022	1,358	8,832.65	Y		
4.1.1) HB26 COMPLETE ROUND(†)		2021	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2021	Sep 2022	1,301	9,211.28	Y		
4.1.1) HB26 COMPLETE ROUND(†)		2022	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2022	Jun 2023	3,283	9,189.49	Y		
4.1.1) HB26 COMPLETE ROUND(†)		2023	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	943	9,572.36	Y		
4.1.1) HB26 COMPLETE ROUND(†)		2024	NAMMO Talley Defense Systems / Mesa, AZ	C / IDIQ	PICATINNY ARSENAL, NJ	Oct 2023	Oct 2024	86	9,763.81	Y		
5.1.1) HX07 COMPLETE ROUND(†)		2020	NAMMO Talley Defense Systems / Mesa, AZ	C / FFP	PICATINNY ARSENAL, NJ	Mar 2020	Jul 2022	2,028	4,077.01	Y		
6.1.1) CA30 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN@Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Sep 2023	10,641	2,806.08	Y		
6.1.1) CA30 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN@Kalskga, Sweeden	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Sep 2025	291	3,231.53	Y		
7.1.1) A254 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB@KARLSKOGA, SWEDEN / Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	157,416	2.56	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
7.1.1) A254 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB@KARLSKOGA, SWEDEN / Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	154,198	2.61	Y		
7.1.1) A254 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB@KARLSKOGA, SWEDEN / Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	139,886	2.81	Y		
7.1.1) A254 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB@KARLSKOGA, SWEDEN / Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	147,098	2.96	Y		
8.1.1) C385 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	3,715	1,070.11	Y		
8.1.1) C385 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	400	4,519.18	Y		
8.1.1) C385 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	250	4,745.14	Y		
8.1.1) C385 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	1,350	5,006.12	Y		
9.1.1) C386 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	700	1,380.61	Y		
10.1.1) CA10 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	12,597	479.71	Y		
11.1.1) CA20 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	956	3,757.80	Y		
11.1.1) CA20 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	919	3,926.90	Y		
11.1.1) CA20 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	2,060	3,084.55	Y		
11.1.1) CA20 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	271	4,350.03	Y		
12.1.1) CA21 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	1,717	1,880.33	Y		
12.1.1) CA21 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	1,629	1,964.95	Y		
12.1.1) CA21 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	2,150	2,742.92	Y		
12.1.1) CA21 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	923	3,628.47	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
13.1.1) CA27 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2022	1,312	2,496.83	Y		
13.1.1) CA27 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	530	3,577.61	Y		
13.1.1) CA27 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	603	2,739.65	Y		
13.1.1) CA27 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	1,996	2,727.93	Y		
14.1.1) CA36 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Sep 2022	3,615	1,936.93	Y		
14.1.1) CA36 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	7,500	2,024.09	Y		
14.1.1) CA36 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	3,123	2,197.58	Y		
14.1.1) CA36 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	435	2,242.19	Y		
15.1.1) CA41 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Sep 2022	1,942	3,195.76	Y		
15.1.1) CA41 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	1,038	7,888.84	Y		
15.1.1) CA41 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	594	3,506.55	Y		
15.1.1) CA41 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	1,138	8,738.86	Y		
16.1.1) CA51 COMPLETE ROUND(†)		2021	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Sep 2022	254	8,025.13	Y		
16.1.1) CA51 COMPLETE ROUND(†)		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2023	1,543	4,730.10	Y		
16.1.1) CA51 COMPLETE ROUND(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	1,240	4,966.60	Y		
16.1.1) CA51 COMPLETE ROUND(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	839	5,239.76	Y		
17.1.1) AC05 COMPLETE ROUNDS(†)		2023	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	94,188	73.60	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
17.1.1) AC05 COMPLETE ROUNDS(†)		2024	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	12,800	77.65	Y		
18.1.1) AB51 COMPLETE ROUND		2024	TBD / TBD	C / TBD	TBD	Mar 2024	Mar 2025	6,934	455.71	Y		
19.1.1) AA89 Complete Round		2024	TBD / TBD	C / TBD	TBD	Mar 2024	Mar 2025	15,710	294.00	Y		
20.1.1) L498 Complete Round		2022	SAAB DYNAMAMICS AB / KARLSKOGA, SWEDEN@Kalskga, Sweeden	C / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2022	184,931	2.92	Y		

(†) indicates the presence of a P-21

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Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021													BALANCE
										Calendar Year 2020												Calendar Year 2021										
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) HA29 COMPLETE ROUND																																
	1	2024	NAVY	.115	.000	.115																										.115
2.1.1) HA21 COMPLETE ROUND																																
	2	2024	NAVY	20.058	.000	20.058																										20.058
3.1.1) HB25 COMPLETE ROUND (2)																																
	3	2020	NAVY	2.967	.000	2.967																								A -		2.967
	3	2021	NAVY	3.155	.000	3.155																								A -		3.155
	3	2022	NAVY	3.115	.000	3.115																										3.115
	3	2023	NAVY	.097	.000	.097																										.097
	3	2024	NAVY	2.443	.000	2.443																										2.443
4.1.1) HB26 COMPLETE ROUND (3)																																
	4	2020	NAVY	1.358	.000	1.358																								A -		1.358
	4	2021	NAVY	1.301	.000	1.301																								A -		1.301
	4	2022	NAVY	3.283	.000	3.283																										3.283
	4	2023	NAVY	.943	.000	.943																										.943
	4	2024	NAVY	.086	.000	.086																										.086
5.1.1) HX07 COMPLETE ROUND																																
Prior Years Deliveries: 10604																																
	5	2020	NAVY	2.028	.000	2.028						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		2.028
6.1.1) CA30 COMPLETE ROUND																																
	6	2022	NAVY	10.641	.000	10.641																										10.641
	6	2024	NAVY	.291	.000	.291																										.291
7.1.1) A254 COMPLETE ROUND																																
Prior Years Deliveries: 146898																																
	7	2021	NAVY	157.416	.000	157.416																		A -	-	-	-	-	-	-		157.416
	7	2022	NAVY	154.198	.000	154.198																										154.198
	7	2023	NAVY	139.886	.000	139.886																										139.886
	7	2024	NAVY	147.098	.000	147.098																										147.098
8.1.1) C385 COMPLETE ROUND																																
Prior Years Deliveries: 5098																																
	8	2021	NAVY	3.715	.000	3.715																		A -	-	-	-	-	-	-		3.715
	8	2022	NAVY	.400	.000	.400																										.400
	8	2023	NAVY	.250	.000	.250																										.250
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2024	NAVY	1.350	.000	1.350																									1.350
9.1.1) C386 COMPLETE ROUND																															
Prior Years Deliveries: 6510																															
	9	2024	NAVY	.700	.000	.700																									.700
10.1.1) CA10 COMPLETE ROUND																															
Prior Years Deliveries: 12800																															
	10	2021	NAVY	12.597	.000	12.597																		A -	-	-	-	-	-	-	12.597
11.1.1) CA20 COMPLETE ROUND (4)																															
Prior Years Deliveries: 2520																															
	11	2021	NAVY	.956	.000	.956																		A -	-	-	-	-	-	-	.956
	11	2022	NAVY	.919	.000	.919																									.919
	11	2023	NAVY	2.060	.000	2.060																									2.060
	11	2024	NAVY	.271	.000	.271																									.271
12.1.1) CA21 COMPLETE ROUND																															
Prior Years Deliveries: 5219																															
	12	2021	NAVY	1.717	.000	1.717																		A -	-	-	-	-	-	-	1.717
	12	2022	NAVY	1.629	.000	1.629																									1.629
	12	2023	NAVY	2.150	.000	2.150																									2.150
	12	2024	NAVY	.923	.000	.923																									.923
13.1.1) CA27 COMPLETE ROUND																															
Prior Years Deliveries: 4818																															
	13	2021	NAVY	1.312	.000	1.312																		A -	-	-	-	-	-	-	1.312
	13	2022	NAVY	.530	.000	.530																									.530
	13	2023	NAVY	.603	.000	.603																									.603
	13	2024	NAVY	1.996	.000	1.996																									1.996
14.1.1) CA36 COMPLETE ROUND																															
Prior Years Deliveries: 5344																															
	14	2021	NAVY	3.615	.000	3.615																		A -	-	-	-	-	-	-	3.615
	14	2022	NAVY	7.500	.000	7.500																									7.500
	14	2023	NAVY	3.123	.000	3.123																									3.123
	14	2024	NAVY	.435	.000	.435																									.435
15.1.1) CA41 COMPLETE ROUND (5)																															
Prior Years Deliveries: 2658																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	15	2021	NAVY	1.942	.000	1.942																		A -	-	-	-	-	-	-	1.942
	15	2022	NAVY	1.038	.000	1.038																									1.038
	15	2023	NAVY	.594	.000	.594																									.594
	15	2024	NAVY	1.138	.000	1.138																									1.138
16.1.1) CA51 COMPLETE ROUND																															
Prior Years Deliveries: 459																															
	16	2021	NAVY	.254	.000	.254																		A -	-	-	-	-	-	-	.254
	16	2022	NAVY	1.543	.000	1.543																									1.543
	16	2023	NAVY	1.240	.000	1.240																									1.240
	16	2024	NAVY	.839	.000	.839																									.839
17.1.1) AC05 COMPLETE ROUNDS (6)																															
Prior Years Deliveries: 87900																															
	17	2023	NAVY	94.188	.000	94.188																									94.188
	17	2024	NAVY	12.800	.000	12.800																									12.800
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) HA29 COMPLETE ROUND																															
	1	2024	NAVY	.115	.000	.115																									.115
2.1.1) HA21 COMPLETE ROUND																															
	2	2024	NAVY	20.058	.000	20.058																									20.058
3.1.1) HB25 COMPLETE ROUND (2)																															
	3	2020	NAVY	2.967	.000	2.967	-	-	-	-	-	-	-	-	-	-	-	.300	.300	.300	.300	.300	.300	.300	.300	.300	.267				.000
	3	2021	NAVY	3.155	.000	3.155	-	-	-	-	-	-	-	-	-	-	-	.350	.350	.350	.350	.350	.350	.350	.350	.355					.000
	3	2022	NAVY	3.115	.000	3.115									A -	-	-	-	-	-	-	-	-	-	-	-	.400	.400	.400	.400	1.515
	3	2023	NAVY	.097	.000	.097																		A -	-	-	-	-	-	-	.097
	3	2024	NAVY	2.443	.000	2.443																									2.443
4.1.1) HB26 COMPLETE ROUND (3)																															
	4	2020	NAVY	1.358	.000	1.358	-	-	-	-	-	-	-	-	-	-	-	.300	.300	.300	.300	.158									.000
	4	2021	NAVY	1.301	.000	1.301	-	-	-	-	-	-	-	-	-	-	-	.300	.300	.300	.300	.101									.000
	4	2022	NAVY	3.283	.000	3.283									A -	-	-	-	-	-	-	-	-	-	-	-	.300	.300	.300	.300	2.083
	4	2023	NAVY	.943	.000	.943																		A -	-	-	-	-	-	-	.943
	4	2024	NAVY	.086	.000	.086																									.086
5.1.1) HX07 COMPLETE ROUND																															
Prior Years Deliveries: 10604																															
	5	2020	NAVY	2.028	.000	2.028	-	-	-	-	-	-	-	-	-	1.000	1.010	.018													.000
6.1.1) CA30 COMPLETE ROUND																															
	6	2022	NAVY	10.641	.000	10.641						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.200	9.441
	6	2024	NAVY	.291	.000	.291																									.291
7.1.1) A254 COMPLETE ROUND																															
Prior Years Deliveries: 146898																															
	7	2021	NAVY	157.416	.000	157.416	-	-	-	-	-	157.416																			.000
	7	2022	NAVY	154.198	.000	154.198						A -	-	-	-	-	-	-	-	-	-	-	-	154.198							.000
	7	2023	NAVY	139.886	.000	139.886																		A -	-	-	-	-	-	-	139.886
	7	2024	NAVY	147.098	.000	147.098																									147.098
8.1.1) C385 COMPLETE ROUND																															
Prior Years Deliveries: 5098																															
	8	2021	NAVY	3.715	.000	3.715	-	-	-	-	-	.500	.500	.500	.500	.500	.500	.500	.215												.000
	8	2022	NAVY	.400	.000	.400						A -	-	-	-	-	-	-	-	-	-	-	-	.107	.100	.100	.093				.000
	8	2023	NAVY	.250	.000	.250																		A -	-	-	-	-	-	-	.250
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2024	NAVY	1.350	.000	1.350																									1.350
9.1.1) C386 COMPLETE ROUND																															
Prior Years Deliveries: 6510																															
	9	2024	NAVY	.700	.000	.700																									.700
10.1.1) CA10 COMPLETE ROUND																															
Prior Years Deliveries: 12800																															
	10	2021	NAVY	12.597	.000	12.597	-	-	-	-	-	3.000	3.000	3.000	3.000	.597															.000
11.1.1) CA20 COMPLETE ROUND (4)																															
Prior Years Deliveries: 2520																															
	11	2021	NAVY	.956	.000	.956	-	-	-	-	-	.500	.456																		.000
	11	2022	NAVY	.919	.000	.919						A -	-	-	-	-	-	-	-	-	-	-	-	.500	.419						.000
	11	2023	NAVY	2.060	.000	2.060																		A -	-	-	-	-	-	-	2.060
	11	2024	NAVY	.271	.000	.271																									.271
12.1.1) CA21 COMPLETE ROUND																															
Prior Years Deliveries: 5219																															
	12	2021	NAVY	1.717	.000	1.717	-	-	-	-	-	.500	.500	.500	.217																.000
	12	2022	NAVY	1.629	.000	1.629						A -	-	-	-	-	-	-	-	-	-	-	-	.500	.500	.500	.129				.000
	12	2023	NAVY	2.150	.000	2.150																		A -	-	-	-	-	-	-	2.150
	12	2024	NAVY	.923	.000	.923																									.923
13.1.1) CA27 COMPLETE ROUND																															
Prior Years Deliveries: 4818																															
	13	2021	NAVY	1.312	.000	1.312	-	-	-	-	-	1.312																			.000
	13	2022	NAVY	.530	.000	.530						A -	-	-	-	-	-	-	-	-	-	-	-	.530							.000
	13	2023	NAVY	.603	.000	.603																		A -	-	-	-	-	-	-	.603
	13	2024	NAVY	1.996	.000	1.996																									1.996
14.1.1) CA36 COMPLETE ROUND																															
Prior Years Deliveries: 5344																															
	14	2021	NAVY	3.615	.000	3.615	-	-	-	-	-	-	-	-	-	-	-	.302	.302	.301	.301	.301	.301	.301	.301	.301	.301	.301	.302		.000
	14	2022	NAVY	7.500	.000	7.500						A -	-	-	-	-	-	-	-	-	-	-	-	.700	.700	.700	.700	.700	.800	.800	2.400
	14	2023	NAVY	3.123	.000	3.123																		A -	-	-	-	-	-	-	3.123
	14	2024	NAVY	.435	.000	.435																									.435
15.1.1) CA41 COMPLETE ROUND (5)																															
Prior Years Deliveries: 2658																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
										Calendar Year 2022												Calendar Year 2023									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	15	2021	NAVY	1.942	.000	1.942	-	-	-	-	-	-	-	-	-	-	-	.165	.165	.165	.165	.165	.165	.165	.165	.165	.165	.165	.127		.000
	15	2022	NAVY	1.038	.000	1.038						A -	-	-	-	-	-	-	-	-	-	-	-	.283	.250	.250	.255				.000
	15	2023	NAVY	.594	.000	.594																		A -	-	-	-	-	-	-	.594
	15	2024	NAVY	1.138	.000	1.138																									1.138
16.1.1) CA51 COMPLETE ROUND																															
Prior Years Deliveries: 459																															
	16	2021	NAVY	.254	.000	.254	-	-	-	-	-	-	-	-	-	-	-	.254													.000
	16	2022	NAVY	1.543	.000	1.543						A -	-	-	-	-	-	-	-	-	-	-	-	.500	.500	.543					.000
	16	2023	NAVY	1.240	.000	1.240																		A -	-	-	-	-	-	-	1.240
	16	2024	NAVY	.839	.000	.839																									.839
17.1.1) AC05 COMPLETE ROUNDS (6)																															
Prior Years Deliveries: 87900																															
	17	2023	NAVY	94.188	.000	94.188																		A -	-	-	-	-	-	-	94.188
	17	2024	NAVY	12.800	.000	12.800																									12.800
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1125 / Direct Support Munitions | **Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) HA29 COMPLETE ROUND																															
	1	2024	NAVY	.115	.000	.115						A -	-	-	-	-	-	-	-	-	-	-	-	.115							.000
2.1.1) HA21 COMPLETE ROUND																															
	2	2024	NAVY	20.058	.000	20.058						A -	-	-	-	-	-	-	-	-	-	-	-	3.500	3.500	3.500	3.500	3.500	2.558		.000
3.1.1) HB25 COMPLETE ROUND (2)																															
	3	2020	NAVY	2.967	2.967	.000																									.000
	3	2021	NAVY	3.155	3.155	.000																									.000
	3	2022	NAVY	3.115	1.600	1.515	.400	.400	.400	.315																					.000
	3	2023	NAVY	.097	.000	.097	-	-	-	-	-	.097																			.000
	3	2024	NAVY	2.443	.000	2.443						A -	-	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.250	.250	.250	.693
4.1.1) HB26 COMPLETE ROUND (3)																															
	4	2020	NAVY	1.358	1.358	.000																									.000
	4	2021	NAVY	1.301	1.301	.000																									.000
	4	2022	NAVY	3.283	1.200	2.083	.083	.500	.500	.500	.500																				.000
	4	2023	NAVY	.943	.000	.943	-	-	-	-	-	.300	.300	.300	.043																.000
	4	2024	NAVY	.086	.000	.086	A -	-	-	-	-	-	-	-	-	-	-	-	.086												.000
5.1.1) HX07 COMPLETE ROUND																															
Prior Years Deliveries: 10604																															
	5	2020	NAVY	2.028	2.028	.000																									.000
6.1.1) CA30 COMPLETE ROUND																															
	6	2022	NAVY	10.641	1.200	9.441	1.200	1.200	1.200	1.200	1.200	1.200	1.200	1.041																	.000
	6	2024	NAVY	.291	.000	.291						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.291	.000
7.1.1) A254 COMPLETE ROUND																															
Prior Years Deliveries: 146898																															
	7	2021	NAVY	157.416	157.416	.000																									.000
	7	2022	NAVY	154.198	154.198	.000																									.000
	7	2023	NAVY	139.886	.000	139.886	-	-	-	-	-	139.886																			.000
	7	2024	NAVY	147.098	.000	147.098						A -	-	-	-	-	-	-	-	-	-	-	-	147.098							.000
8.1.1) C385 COMPLETE ROUND																															
Prior Years Deliveries: 5098																															
	8	2021	NAVY	3.715	3.715	.000																									.000
	8	2022	NAVY	.400	.400	.000																									.000
	8	2023	NAVY	.250	.000	.250	-	-	-	-	-	.250																			.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2024	NAVY	1.350	.000	1.350						A -	-	-	-	-	-	-	-	-	-	-	-	.200	.200	.200	.200	.200	.200	.150	.000
9.1.1) C386 COMPLETE ROUND																															
Prior Years Deliveries: 6510																															
	9	2024	NAVY	.700	.000	.700						A -	-	-	-	-	-	-	-	-	-	-	-	.250	.250	.200					.000
10.1.1) CA10 COMPLETE ROUND																															
Prior Years Deliveries: 12800																															
	10	2021	NAVY	12.597	12.597	.000																									.000
11.1.1) CA20 COMPLETE ROUND (4)																															
Prior Years Deliveries: 2520																															
	11	2021	NAVY	.956	.956	.000																									.000
	11	2022	NAVY	.919	.919	.000																									.000
	11	2023	NAVY	2.060	.000	2.060	-	-	-	-	-	.500	.500	.500	.500	.060															.000
	11	2024	NAVY	.271	.000	.271						A -	-	-	-	-	-	-	-	-	-	-	-	.271							.000
12.1.1) CA21 COMPLETE ROUND																															
Prior Years Deliveries: 5219																															
	12	2021	NAVY	1.717	1.717	.000																									.000
	12	2022	NAVY	1.629	1.629	.000																									.000
	12	2023	NAVY	2.150	.000	2.150	-	-	-	-	-	.500	.500	.500	.500	.150															.000
	12	2024	NAVY	.923	.000	.923						A -	-	-	-	-	-	-	-	-	-	-	-	.400	.400	.123					.000
13.1.1) CA27 COMPLETE ROUND																															
Prior Years Deliveries: 4818																															
	13	2021	NAVY	1.312	1.312	.000																									.000
	13	2022	NAVY	.530	.530	.000																									.000
	13	2023	NAVY	.603	.000	.603	-	-	-	-	-	.247	.356																		.000
	13	2024	NAVY	1.996	.000	1.996						A -	-	-	-	-	-	-	-	-	-	-	-	1.517	.300	.179					.000
14.1.1) CA36 COMPLETE ROUND																															
Prior Years Deliveries: 5344																															
	14	2021	NAVY	3.615	3.615	.000																									.000
	14	2022	NAVY	7.500	5.100	2.400	.800	.800	.317	.300	.183																				.000
	14	2023	NAVY	3.123	.000	3.123	-	-	-	-	-	.350	.350	.350	.350	.350	.350	.350	.350	.323											.000
	14	2024	NAVY	.435	.000	.435						A -	-	-	-	-	-	-	-	-	-	-	-	.200	.200	.035					.000
15.1.1) CA41 COMPLETE ROUND (5)																															
Prior Years Deliveries: 2658																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
										Calendar Year 2024												Calendar Year 2025									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	15	2021	NAVY	1.942	1.942	.000																									.000
	15	2022	NAVY	1.038	1.038	.000																									.000
	15	2023	NAVY	.594	.000	.594	-	-	-	-	-	.594																			.000
	15	2024	NAVY	1.138	.000	1.138						A -	-	-	-	-	-	-	-	-	-	-	-	.500	.500	.138					.000
16.1.1) CA51 COMPLETE ROUND																															
Prior Years Deliveries: 459																															
	16	2021	NAVY	.254	.254	.000																									.000
	16	2022	NAVY	1.543	1.543	.000																									.000
	16	2023	NAVY	1.240	.000	1.240	-	-	-	-	-	.500	.500	.240																	.000
	16	2024	NAVY	.839	.000	.839						A -	-	-	-	-	-	-	-	-	-	-	-	.500	.339						.000
17.1.1) AC05 COMPLETE ROUNDS [6]																															
Prior Years Deliveries: 87900																															
	17	2023	NAVY	94.188	.000	94.188	-	-	-	-	-	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	10.000	4.188										.000
	17	2024	NAVY	12.800	.000	12.800						A -	-	-	-	-	-	-	-	-	-	-	-	2.000	2.000	2.000	2.000	2.000	2.000	.800	.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1125 / Direct Support Munitions | **Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
										Calendar Year 2026												Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) HA29 COMPLETE ROUND																															
	1	2024	NAVY	.115	.115	.000																									.000
2.1.1) HA21 COMPLETE ROUND																															
	2	2024	NAVY	20.058	20.058	.000																									.000
3.1.1) HB25 COMPLETE ROUND (2)																															
	3	2020	NAVY	2.967	2.967	.000																									.000
	3	2021	NAVY	3.155	3.155	.000																									.000
	3	2022	NAVY	3.115	3.115	.000																									.000
	3	2023	NAVY	.097	.097	.000																									.000
	3	2024	NAVY	2.443	1.750	.693	.250	.250	.193																						.000
4.1.1) HB26 COMPLETE ROUND (3)																															
	4	2020	NAVY	1.358	1.358	.000																									.000
	4	2021	NAVY	1.301	1.301	.000																									.000
	4	2022	NAVY	3.283	3.283	.000																									.000
	4	2023	NAVY	.943	.943	.000																									.000
	4	2024	NAVY	.086	.086	.000																									.000
5.1.1) HX07 COMPLETE ROUND																															
Prior Years Deliveries: 10604																															
	5	2020	NAVY	2.028	2.028	.000																									.000
6.1.1) CA30 COMPLETE ROUND																															
	6	2022	NAVY	10.641	10.641	.000																									.000
	6	2024	NAVY	.291	.291	.000																									.000
7.1.1) A254 COMPLETE ROUND																															
Prior Years Deliveries: 146898																															
	7	2021	NAVY	157.416	157.416	.000																									.000
	7	2022	NAVY	154.198	154.198	.000																									.000
	7	2023	NAVY	139.886	139.886	.000																									.000
	7	2024	NAVY	147.098	147.098	.000																									.000
8.1.1) C385 COMPLETE ROUND																															
Prior Years Deliveries: 5098																															
	8	2021	NAVY	3.715	3.715	.000																									.000
	8	2022	NAVY	.400	.400	.000																									.000
	8	2023	NAVY	.250	.250	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	8	2024	NAVY	1.350	1.350	.000																									.000
9.1.1) C386 COMPLETE ROUND																															
Prior Years Deliveries: 6510																															
	9	2024	NAVY	.700	.700	.000																									.000
10.1.1) CA10 COMPLETE ROUND																															
Prior Years Deliveries: 12800																															
	10	2021	NAVY	12.597	12.597	.000																									.000
11.1.1) CA20 COMPLETE ROUND (4)																															
Prior Years Deliveries: 2520																															
	11	2021	NAVY	.956	.956	.000																									.000
	11	2022	NAVY	.919	.919	.000																									.000
	11	2023	NAVY	2.060	2.060	.000																									.000
	11	2024	NAVY	.271	.271	.000																									.000
12.1.1) CA21 COMPLETE ROUND																															
Prior Years Deliveries: 5219																															
	12	2021	NAVY	1.717	1.717	.000																									.000
	12	2022	NAVY	1.629	1.629	.000																									.000
	12	2023	NAVY	2.150	2.150	.000																									.000
	12	2024	NAVY	.923	.923	.000																									.000
13.1.1) CA27 COMPLETE ROUND																															
Prior Years Deliveries: 4818																															
	13	2021	NAVY	1.312	1.312	.000																									.000
	13	2022	NAVY	.530	.530	.000																									.000
	13	2023	NAVY	.603	.603	.000																									.000
	13	2024	NAVY	1.996	1.996	.000																									.000
14.1.1) CA36 COMPLETE ROUND																															
Prior Years Deliveries: 5344																															
	14	2021	NAVY	3.615	3.615	.000																									.000
	14	2022	NAVY	7.500	7.500	.000																									.000
	14	2023	NAVY	3.123	3.123	.000																									.000
	14	2024	NAVY	.435	.435	.000																									.000
15.1.1) CA41 COMPLETE ROUND (5)																															
Prior Years Deliveries: 2658																															
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
										Calendar Year 2026												Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	15	2021	NAVY	1.942	1.942	.000																									.000
	15	2022	NAVY	1.038	1.038	.000																									.000
	15	2023	NAVY	.594	.594	.000																									.000
	15	2024	NAVY	1.138	1.138	.000																									.000
16.1.1) CA51 COMPLETE ROUND																															
Prior Years Deliveries: 459																															
	16	2021	NAVY	.254	.254	.000																									.000
	16	2022	NAVY	1.543	1.543	.000																									.000
	16	2023	NAVY	1.240	1.240	.000																									.000
	16	2024	NAVY	.839	.839	.000																									.000
17.1.1) AC05 COMPLETE ROUNDS [6]																															
Prior Years Deliveries: 87900																															
	17	2023	NAVY	94.188	94.188	.000																									.000
	17	2024	NAVY	12.800	12.800	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAMMO Talley Defense Systems - Mesa, AZ	3,000	6,000	12,000	8	8	12	20	8	8	12	20
2	NAMMO Talley Defense Systems - Mesa, AZ	10,000	25,000	50,000	8	8	12	20	8	8	12	20
3	NAMMO Talley Defense Systems - Mesa, AZ	3,000	6,000	12,000	8	8	12	20	8	8	12	20
4	NAMMO Talley Defense Systems - Mesa, AZ	3,000	6,000	12,000	8	8	12	20	8	8	12	20
5	NAMMO Talley Defense Systems - Mesa, AZ	12,000	30,000	144,000	8	8	31	39	6	6	28	34
6	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN@Kalskga, Sweeden	500	5,000	15,000	8	8	24	32	6	6	18	24
7	SAAB DYNAMAMICS AB@KARLSKOGA, SWEDEN - Kalskga, Sweeden	120,000	360,000	600,000	8	8	15	23	6	6	12	18
8	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
9	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
10	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	306,000	600,000	8	8	15	23	6	6	12	18
11	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
12	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
13	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
14	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
15	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
16	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18
17	SAAB DYNAMAMICS AB - KARLSKOGA, SWEDEN	120,000	360,000	600,000	8	8	15	23	6	6	12	18

"A" in the Delivery Schedule indicates the Contract Award Date.

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1125 / Direct Support Munitions	**Item Number / Title [DODIC]:** 2 / Rockets, All Types

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	260.598	68.955	161.803	178.240	0.000	178.240	306.232	275.097	298.094	293.362	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	260.598	68.955	161.803	178.240	0.000	178.240	306.232	275.097	298.094	293.362	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**260.598**	**68.955**	**161.803**	**178.240**	**0.000**	**178.240**	**306.232**	**275.097**	**298.094**	**293.362**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In support of Force Design and Marine Corps readiness to address Littoral Operations in Contested Environments (LOCE) and Indo-Pacific, the Infantry Weapons Ammunition budget supports small arms ammunition and medium caliber ammunition.

Small arms ammunition is a cartridge or a family of cartridges intended to be used in various types of crew-served/mounted weapons, hand-held pistols, or shoulder fired rifles; ranging from .22 caliber to .50 caliber weapons. Small arms ammunition consists primarily of 9mm, 5.56mm, 7.62mm, 12 gauge shotgun, .300 Winchester Magnum, .50 caliber and 6.8mm.

Medium caliber ammunition is a cartridge or family of cartridges larger than .50cal, but smaller than 60mm and supports a variety of crew-served/mounted weapons, hand-held 40mm grenade launchers, and Light Armored Vehicle weapon systems. Medium caliber ammunition consists primarily of 25mm, 30mm, and 40mm cartridges.

**The majority of these munitions are procured either via Joint Program Executive Office, Armament and Ammunition (JPEO A&A) / Single Manager for Conventional Ammunition (SMCA) or Naval Surface Warfare Center, Crane, IN., using established contracts, that consolidate all service buys into their procurement actions.

**Ammunition pricing is provided by the Army Single Manager Conventional Ammunition (SMCA) and incorporates other service buys.

**These munitions have a procurement lead-time of 12-24 months.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / CTG, 40 MM, All Types	P-5a, P-21			- / 52.131	- / 18.019	- / 42.351	- / 40.811	- / 0.000	- / 40.811
P-5	2 / CTG, 25 MM, All Types	P-5a			- / 10.461	- / 4.879	- / 1.758	- / 10.611	- / 0.000	- / 10.611
P-5	3 / Small Arms Ammunition	P-5a, P-21			- / 196.764	- / 41.785	- / 109.540	- / 121.199	- / 0.000	- / 121.199
P-5	4 / CTG, 30 MM, All Types	P-5a			- / 1.242	- / 4.272	- / 8.154	- / 5.619	- / 0.000	- / 5.619
P-40	**Total Gross/Weapon System Cost**				**- / 260.598**	**- / 68.955**	**- / 161.803**	**- / 178.240**	**- / 0.000**	**- / 178.240**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $178.240M

The FY 2024 baseline funds are required to replenish munitions to be expended by Marine Forces during training, preparation and rehearsals for combat engagements. The .50 caliber reduced range ammunition will be procured to address operational requirements in an urban environment and the ability to train on ranges where only ammunition with 7.62mm surface danger zone can be live-fired. Funding will also support the procurement of 5.56mm marking rounds for simulated training in an urban environment, 9mm training ammunition, 9mm blank single rounds.

The $16.437M budget increase from FY 2023 to FY 2024 reflects requirement changes with the following munitions: 5.56mm Rounds (A059, AB57 and AB67 (AB67 replaces the AA68 which is no longer in production), 25mm Practice Rounds (A940), 40mm Practice Rounds (BA21, and BA35), 50 Caliber Ball (A555), 50 Caliber Reduced Range (AC14 and AC15), 12 Gauge Cartridge (A011), 30mm X 113 High Explosive Dual Purpose (AC55, formerly B30W), 30mm X 113 Training Practice (B139, formerly B30T), 40mm High Explosive Dual Purpose (B542) and 7.62mm Rounds (A151 and AB39) supporting the total munitions requirement.

Additionally, funding is required for 30mm Cartridges, as well as 40mm Target Practice, Day/Night Marker rounds. The FY 2024 request also includes funding for Target Practice rounds in support of Marine Forces training. Funding will procure additional units in support of increased requirements.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 1 / CTG, 40 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	52.131	18.019	42.351	40.811	0.000	40.811
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	52.131	18.019	42.351	40.811	0.000	40.811
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**52.131**	**18.019**	**42.351**	**40.811**	**0.000**	**40.811**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - BA21, CTG, 40MM PRACTICE DAY/ NIGHT MK281 MOD3 Cost																		
Recurring Cost																		
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack(†)	33.61	1,520,669	51.112	30.77	585,602	18.019	31.38	30,000	0.941	32.00	68,500	2.192	-	-	0.000	32.00	68,500	2.192
1.1.2) BA21, 40MM Practice Day/Night MK281 MOD3 - Production Engineering	-	-	0.405	-	-	0.000	-	-	0.050	-	-	0.050	-	-	0.000	-	-	0.050
1.1.3) BA21, 40MM Practice Day/Night MK281 MOD3 - Quality Assurance	-	-	0.114	-	-	0.000	-	-	0.047	-	-	0.048	-	-	0.000	-	-	0.048
Subtotal: Recurring Cost	-	-	*51.631*	-	-	*18.019*	-	-	*1.038*	-	-	*2.290*	-	-	*0.000*	-	-	*2.290*
Subtotal: Hardware - BA21, CTG, 40MM PRACTICE DAY/ NIGHT MK281 MOD3 Cost	**-**	**-**	***51.631***	**-**	**-**	***18.019***	**-**	**-**	***1.038***	**-**	**-**	***2.290***	**-**	**-**	***0.000***	**-**	**-**	***2.290***
Hardware - BA35, CTG 40MM DAY/NIGHT MARKER M1110 Cost																		
Recurring Cost																		
2.1.1) BA35, CTG, 40MM Day/Night Marker M1110 Load, Assemble and Pack(†)	-	-	0.000	-	-	0.000	13.40	223,880	3.000	13.67	159,070	2.174	-	-	0.000	13.67	159,070	2.174

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 1 / CTG, 40 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.2) BA35, CTG, 40MM Day/ Night Marker M1110 Production Engineering	-	-	0.000	-	-	0.000	-	-	0.025	-	-	0.083	-	-	0.000	-	-	0.083
2.1.3) BA35, CTG, 40MM Day/Night Marker M1110 Quality Assurance	-	-	0.000	-	-	0.000	-	-	0.013	-	-	0.034	-	-	0.000	-	-	0.034
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*3.038*	-	-	*2.291*	-	-	*0.000*	-	-	*2.291*
Subtotal: Hardware - BA35, CTG 40MM DAY/NIGHT MARKER M1110 Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***3.038***	**-**	**-**	***2.291***	**-**	**-**	***0.000***	**-**	**-**	***2.291***
Hardware - B550, CTG, 40MM SALUTING Cost																		
Recurring Cost																		
4.1.1) B550, 40MM Saluting - Load, Assemble and Pack	-	-	0.500	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.500*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - B550, CTG, 40MM SALUTING Cost	**-**	**-**	***0.500***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - B542, CTG, 40MM LNKD HIGH EXPLOSIVE DUAL PURPOSE M430A1 Cost																		
Recurring Cost																		
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack(†)	-	-	0.000	-	-	0.000	59.97	623,173	37.372	64.55	554,492	35.792	-	-	0.000	64.55	554,492	35.792
5.1.2) B542, 40MM High Explosive Dual Purpose M430A1 Production Engineering	-	-	0.000	-	-	0.000	-	-	0.893	-	-	0.432	-	-	0.000	-	-	0.432
5.1.3) B542, 40MM High Explosive Dual Purpose M430A1 Quality Assurance	-	-	0.000	-	-	0.000	-	-	0.010	-	-	0.006	-	-	0.000	-	-	0.006
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*38.275*	-	-	*36.230*	-	-	*0.000*	-	-	*36.230*
Subtotal: Hardware - B542, CTG, 40MM LNKD HIGH EXPLOSIVE DUAL PURPOSE M430A1 Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***38.275***	**-**	**-**	***36.230***	**-**	**-**	***0.000***	**-**	**-**	***36.230***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 1 / CTG, 40 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Gross/Weapon System Cost	-	-	52.131	-	-	18.019	-	-	42.351	-	-	40.811	-	-	0.000	-	-	40.811

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 1 / CTG, 40 MM, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack(†)		2021	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	SS / IDIQ	MCSC, Quantico, VA	Aug 2021	Aug 2022	426,210	25.60	Y		May 2021
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack(†)		2022	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	SS / IDIQ	MCSC, QUANTICO, VA	Jun 2022	Jun 2023	585,602	30.77	Y		Jun 2022
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack(†)		2023	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	SS / IDIQ	MCSC, Quantico, VA	Jun 2023	Jun 2024	30,000	31.38	Y		May 2023
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack(†)		2024	TBD / TBD	C / FFP	MCSC, Quantico, VA	May 2024	May 2025	68,500	32.00	Y		May 2024
2.1.1) BA35, CTG, 40MM Day/ Night Marker M1110 Load, Assemble and Pack		2023	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	SS / IDIQ	MCSC, Quantico, VA	Jul 2023	Jul 2024	223,880	13.40	Y		
2.1.1) BA35, CTG, 40MM Day/ Night Marker M1110 Load, Assemble and Pack		2024	AMERICAN RHEINMETALL MUNITIONS / CAMDEN, AR	SS / IDDQ	MCSC, Quantico, VA	Mar 2024	Mar 2025	159,070	13.67	Y		
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack(†)		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	Rock Island Arsenal, IL	Mar 2023	Oct 2024	623,173	59.97	Y		
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack(†)		2024	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	Rock Island Arsenal, IL	Mar 2024	Aug 2025	554,492	64.55	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 1 / CTG, 40 MM, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
							Calendar Year 2021												Calendar Year 2022												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack																															
Prior Years Deliveries: 1094459																															
	1	2021	NAVY	426.210	.000	426.210											A -	-	-	-	-	-	-	-	-	-	-	-	35.523	35.517	355.170
	1	2022	NAVY	585.602	.000	585.602																					A -	-	-	-	585.602
	1	2023	NAVY	30.000	.000	30.000																									30.000
	2	2024	NAVY	68.500	.000	68.500																									68.500
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack																															
	3	2023	NAVY	623.173	.000	623.173																									623.173
	3	2024	NAVY	554.492	.000	554.492																									554.492
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 1 / CTG, 40 MM, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
							Calendar Year 2023												Calendar Year 2024												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack																															
Prior Years Deliveries: 1094459																															
	1	2021	NAVY	426.210	71.040	355.170	35.517	35.517	35.517	35.517	35.517	35.517	35.517	35.517	35.517	35.517															.000
	1	2022	NAVY	585.602	.000	585.602	-	-	-	-	-	-	-	-	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	50.000	35.602					.000
	1	2023	NAVY	30.000	.000	30.000									A -	-	-	-	-	-	-	-	-	-	-	-	5.000	5.000	5.000	5.000	10.000
	2	2024	NAVY	68.500	.000	68.500																				A -	-	-	-	-	68.500
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack																															
	3	2023	NAVY	623.173	.000	623.173						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	623.173
	3	2024	NAVY	554.492	.000	554.492																		A -	-	-	-	-	-	-	554.492
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 1 / CTG, 40 MM, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
							Calendar Year 2025												Calendar Year 2026												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) BA21, 40MM Practice Day/Night MK281 MOD3 - Load, Assemble, and Pack																															
Prior Years Deliveries: 1094459																															
	1	2021	NAVY	426.210	426.210	.000																									.000
	1	2022	NAVY	585.602	585.602	.000																									.000
	1	2023	NAVY	30.000	20.000	10.000	5.000	5.000																							.000
	2	2024	NAVY	68.500	.000	68.500	-	-	-	-	-	-	-	68.500																	.000
5.1.1) B542, 40MM High Explosive Dual Purpose M430A1 Load, Assemble, and Pack																															
	3	2023	NAVY	623.173	.000	623.173	50.222	70.000	50.250	50.701	50.250	50.250	50.250	50.250	50.250	50.250	50.250	50.250													.000
	3	2024	NAVY	554.492	.000	554.492	-	-	-	-	-	-	-	-	-	-	41.937	41.926	41.926	41.926	61.221	74.000	41.926	41.926	41.926	41.926	41.926	41.926			.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 1 / CTG, 40 MM, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN RHEINMETALL MUNITIONS - CAMDEN, AR	10,000	70,000	750,000	6	6	12	18	6	6	12	18
2	TBD - TBD	10,000	70,000	750,000	6	6	12	18	6	6	12	18
3	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	840,000	1,200,000	3,000,000	6	6	19	25	6	6	17	23

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 2 / CTG, 25 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	10.461	4.879	1.758	10.611	0.000	10.611
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	10.461	4.879	1.758	10.611	0.000	10.611
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**10.461**	**4.879**	**1.758**	**10.611**	**0.000**	**10.611**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - A940, CTG, 25MM TPDS-T LINKED M910 Cost																		
Recurring Cost																		
1.1.1) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (GDOTS)(†)	85.27	92,431	7.882	65.83	31,500	2.074	68.05	11,861	0.807	69.46	68,000	4.723	-	-	0.000	69.46	68,000	4.723
1.1.2) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (NGIS)(†)	51.85	31,864	1.652	65.83	31,500	2.074	68.05	11,861	0.807	69.46	68,000	4.723	-	-	0.000	69.46	68,000	4.723
1.1.3) A940 - CTG, 25MM TPDS-T Linked M910 - Container PA 125(†) (1)	140.60	3,791	0.533	101.95	2,100	0.214	99.47	1,000	0.099	152.52	4,530	0.691	-	-	0.000	152.52	4,530	0.691
1.1.4) A940 - CTG, 25MM TPDS-T Linked M910 - Production Engineering	-	-	0.182	-	-	0.201	-	-	0.040	-	-	0.235	-	-	0.000	-	-	0.235
1.1.5) A940 - CTG, 25MM TPDS-T Linked M910 - Quality Assurance	-	-	0.012	-	-	0.075	-	-	0.005	-	-	0.110	-	-	0.000	-	-	0.110
1.1.6) A940 - CTG, 25MM TPDS-T Linked M910 - Nonrecurring - FAAT	-	-	0.200	-	-	0.241	-	-	0.000	-	-	0.129	-	-	0.000	-	-	0.129

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 2 / CTG, 25 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	10.461	-	-	4.879	-	-	1.758	-	-	10.611	-	-	0.000	-	-	10.611
Subtotal: Hardware - A940, CTG, 25MM TPDS-T LINKED M910 Cost	-	-	10.461	-	-	4.879	-	-	1.758	-	-	10.611	-	-	0.000	-	-	10.611
Gross/Weapon System Cost	-	-	10.461	-	-	4.879	-	-	1.758	-	-	10.611	-	-	0.000	-	-	10.611

(†) indicates the presence of a P-5a

Footnotes:

(1) All pricing is received through the SMCA and incorporates other service buys.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 2 / CTG, 25 MM, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (GDOTS)		2021	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2021	Mar 2022	19,762	52.24	Y		
1.1.1) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (GDOTS)		2022	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2022	Mar 2023	31,500	65.83	Y		
1.1.1) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (GDOTS)		2023	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	11,861	68.05	Y		
1.1.1) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (GDOTS)		2024	GENERAL DYNAMICS OTS / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	68,000	69.46	Y		
1.1.2) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (NGIS)		2021	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2021	Mar 2022	19,762	52.24	Y		
1.1.2) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (NGIS)		2022	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Feb 2022	May 2023	31,500	65.83	Y		
1.1.2) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (NGIS)		2023	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	11,861	68.05	Y		
1.1.2) A940 - CTG, 25MM TPDS-T Linked M910 - Load, Assemble and Pack (NGIS)		2024	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	68,000	69.46	Y		
1.1.3) A940 - CTG, 25MM TPDS-T Linked M910 - Container PA 125		2021	CONCO, INC -2 / LOUISVILLE, KY	C / FFP	Rock Island Arsenal, IL	Sep 2021	Mar 2022	1,335	93.51	Y		
1.1.3) A940 - CTG, 25MM TPDS-T Linked M910 - Container PA 125		2022	CONCO, INC -2 / LOUISVILLE, KY	C / FFP	Rock Island Arsenal, IL	Mar 2022	Nov 2022	2,100	101.95	Y		
1.1.3) A940 - CTG, 25MM TPDS-T Linked M910 - Container PA 125		2023	CONCO, INC -2 / LOUISVILLE, KY	C / FFP	Rock Island Arsenal, IL	Mar 2023	Nov 2023	1,000	99.47	Y		
1.1.3) A940 - CTG, 25MM TPDS-T Linked M910 - Container PA 125		2024	CONCO, INC -2 / LOUISVILLE, KY	C / FFP	Rock Island Arsenal, IL	Mar 2024	Nov 2024	4,530	152.52	Y		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 3 / Small Arms Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	196.764	41.785	109.540	121.199	0.000	121.199
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	196.764	41.785	109.540	121.199	0.000	121.199
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**196.764**	**41.785**	**109.540**	**121.199**	**0.000**	**121.199**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - A014, CTG, 12 GAUGE #7 1/2 SHOT COMMERCIAL Cost																		
Recurring Cost																		
1.1.1) A014, 12 GAUGE #7, COMPLETE ROUND	0.29	661,648	0.192	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) A014, PRODUCTION ENGINEERING	-	-	0.058	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.250*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - A014, CTG, 12 GAUGE #7 1/2 SHOT COMMERCIAL Cost	**-**	**-**	***0.250***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - A011, CTG, 12 Gauge #00 BUCKSHOT M162 Cost																		
Recurring Cost																		
2.1.1) A011, CTG, 12 GAUGE COMPLETE ROUND(†)	0.57	288,722	0.165	0.57	743,787	0.424	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) A011, PRODUCTION ENGINEERING	-	-	0.027	-	-	0.068	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) A011, Quality Assurance	-	-	0.004	-	-	0.003	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) A011 CTG, 12 Gauge #00 BUCKSHOT M162 UKR PD(†)	-	-	0.000	0.57	178,947	0.102	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 3 / Small Arms Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*0.196*	-	-	*0.597*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - A011, CTG, 12 Gauge #00 BUCKSHOT M162 Cost	**-**	**-**	***0.196***	**-**	**-**	***0.597***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - A023, CTG, 12 GAUGE 1OZ SLUG COMMERCIAL Cost																		
Recurring Cost																		
3.1.1) A023, 12 GAUGE 1OZ SLUG, COMPLETE ROUND(†) (2)	-	-	0.000	-	-	0.000	0.90	290,442	0.261	0.90	286,667	0.258	-	-	0.000	0.90	286,667	0.258
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.261*	-	-	*0.258*	-	-	*0.000*	-	-	*0.258*
Subtotal: Hardware - A023, CTG, 12 GAUGE 1OZ SLUG COMMERCIAL Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.261***	**-**	**-**	***0.258***	**-**	**-**	***0.000***	**-**	**-**	***0.258***
Hardware - A059, CTG, 5.56MM BALL Cost																		
Recurring Cost																		
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)(†)	0.25	262,461K	65.358	0.37	46,064,865	17.044	0.39	88,721,795	34.602	0.40	76,700,000	30.680	-	-	0.000	0.40	76,700,000	30.680
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)(†)	-	-	0.000	-	-	0.000	0.39	88,721,794	34.601	0.40	76,700,000	30.680	-	-	0.000	0.40	76,700,000	30.680
4.1.3) A059, 5.56MM BALL, BOX METAL M2A2 (EA) (2)	20.70	228,386	4.727	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.4) A059, 5.56MM BALL, PRODUCTION ENGINEERING	-	-	4.321	-	-	0.054	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.5) A059, 5.56MM BALL, QUALITY ASSURANCE	-	-	0.130	-	-	0.004	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.6) A059, 5.56MM BALL, ACCEPTANCE TESTING	-	-	0.114	-	-	0.008	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*74.650*	-	-	*17.110*	-	-	*69.203*	-	-	*61.360*	-	-	*0.000*	-	-	*61.360*
Subtotal: Hardware - A059, CTG, 5.56MM BALL Cost	**-**	**-**	***74.650***	**-**	**-**	***17.110***	**-**	**-**	***69.203***	**-**	**-**	***61.360***	**-**	**-**	***0.000***	**-**	**-**	***61.360***
Hardware - A130, CTG 7.62MM BALL M80 CLPD Cost																		

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Recurring Cost																		
5.1.1) A130, Ctg, 7.62mm Ball M80 CLPD(†)	-	-	0.000	-	-	0.000	0.58	367,240	0.213	0.83	136,144	0.113	-	-	0.000	0.83	136,144	0.113
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.213*	-	-	*0.113*	-	-	*0.000*	-	-	*0.113*
Subtotal: Hardware - A130, CTG 7.62MM BALL M80 CLPD Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.213***	**-**	**-**	***0.113***	**-**	**-**	***0.000***	**-**	**-**	***0.113***
Hardware - A143, CTG 7.62MM BALL M80 LNKD Cost																		
Recurring Cost																		
6.1.1) A143, CTG 7.62MM BALL M80 LNKD Load, Assemble and Pack(†)	-	-	0.000	-	-	0.000	-	-	0.000	0.88	3,673,863	3.233	-	-	0.000	0.88	3,673,863	3.233
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*3.233*	-	-	*0.000*	-	-	*3.233*
Subtotal: Hardware - A143, CTG 7.62MM BALL M80 LNKD Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***3.233***	**-**	**-**	***0.000***	**-**	**-**	***3.233***
Hardware - A151, CTG, 7.62MM 4 BALL M80/1 TRACER M62 LINKED Cost																		
Recurring Cost																		
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND(†)	0.78	1,252,753	0.977	0.79	9,775,456	7.723	0.87	16,236,782	14.126	0.89	25,944,585	23.091	-	-	0.000	0.89	25,944,585	23.091
7.1.2) A151, PRODUCTION ENGINEERING	-	-	0.037	-	-	0.157	-	-	0.998	-	-	1.503	-	-	0.000	-	-	1.503
7.1.3) A151 QUALITY ASSURANCE	-	-	0.007	-	-	0.000	-	-	0.005	-	-	0.004	-	-	0.000	-	-	0.004
Subtotal: Recurring Cost	-	-	*1.021*	-	-	*7.880*	-	-	*15.129*	-	-	*24.598*	-	-	*0.000*	-	-	*24.598*
Subtotal: Hardware - A151, CTG, 7.62MM 4 BALL M80/1 TRACER M62 LINKED Cost	**-**	**-**	***1.021***	**-**	**-**	***7.880***	**-**	**-**	***15.129***	**-**	**-**	***24.598***	**-**	**-**	***0.000***	**-**	**-**	***24.598***
Hardware - A363, CTG, 9MM BALL Cost																		
Recurring Cost																		
8.1.1) A363, 9MM BALL, COMPLETE ROUND(†)	0.18	2,130,874	0.387	0.22	1,014,323	0.223	0.21	1,038,455	0.218	0.22	1,022,744	0.225	-	-	0.000	0.22	1,022,744	0.225

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
8.1.2) A363, 9MM BALL, PRODUCTION ENGINEERING	-	-	0.261	-	-	0.072	-	-	0.091	-	-	0.081	-	-	0.000	-	-	0.081
8.1.3) A363, 9MM BALL, QUALITY ASSURANCE	-	-	0.005	-	-	0.000	-	-	0.001	-	-	0.001	-	-	0.000	-	-	0.001
Subtotal: Recurring Cost	-	-	*0.653*	-	-	*0.295*	-	-	*0.310*	-	-	*0.307*	-	-	*0.000*	-	-	*0.307*
Subtotal: Hardware - A363, CTG, 9MM BALL Cost	**-**	**-**	***0.653***	**-**	**-**	***0.295***	**-**	**-**	***0.310***	**-**	**-**	***0.307***	**-**	**-**	***0.000***	**-**	**-**	***0.307***
Hardware - A555, CAL .50 BALL M33 LINKED Cost																		
Recurring Cost																		
9.1.1) A555, CAL .50 BALL M33 LINKED, COMPLETE ROUND(†)	2.19	4,228,502	9.265	2.64	182,273	0.481	2.74	183,959	0.504	2.78	941,309	2.617	-	-	0.000	2.78	941,309	2.617
9.1.2) A555 PRODUCTION ENGINEERING	-	-	0.000	-	-	0.012	-	-	0.005	-	-	0.146	-	-	0.000	-	-	0.146
9.1.3) A555 QUALITY ASSURANCE	-	-	0.000	-	-	0.001	-	-	0.001	-	-	0.002	-	-	0.000	-	-	0.002
Subtotal: Recurring Cost	-	-	*9.265*	-	-	*0.494*	-	-	*0.510*	-	-	*2.765*	-	-	*0.000*	-	-	*2.765*
Subtotal: Hardware - A555, CAL .50 BALL M33 LINKED Cost	**-**	**-**	***9.265***	**-**	**-**	***0.494***	**-**	**-**	***0.510***	**-**	**-**	***2.765***	**-**	**-**	***0.000***	**-**	**-**	***2.765***
Hardware - A576, CTG, CAL .50 4 & 1 LINKED Cost																		
Recurring Cost																		
10.1.1) A576, CAL. 50 4 & 1 LINKED, COMPLETE ROUND(†)	2.21	473,328	1.047	3.03	1,366,337	4.140	3.19	48,325	0.154	3.23	48,007	0.155	-	-	0.000	3.23	48,007	0.155
10.1.2) A576 PRODUCTION ENGINEERING	-	-	0.000	-	-	0.000	-	-	0.012	-	-	0.009	-	-	0.000	-	-	0.009
10.1.3) A576 QUALITY ASSURANCE	-	-	0.000	-	-	0.000	-	-	0.001	-	-	0.001	-	-	0.000	-	-	0.001
10.1.4) A576 .50 cal 4&1 LINKED UKR PD(†)	-	-	0.000	3.03	582,508	1.765	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.047*	-	-	*5.905*	-	-	*0.167*	-	-	*0.165*	-	-	*0.000*	-	-	*0.165*

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - A576, CTG, CAL .50 4 & 1 LINKED Cost	**-**	**-**	***1.047***	**-**	**-**	***5.905***	**-**	**-**	***0.167***	**-**	**-**	***0.165***	**-**	**-**	***0.000***	**-**	**-**	***0.165***
Hardware - AA40, CTG, 5.56MM FRANGIBLE SNGL RD Cost																		
Recurring Cost																		
12.1.1) AA40, 5.56MM FRANGIBLE, COMPLETE ROUND(†)	0.38	5,893,589	2.225	0.41	1,217,073	0.499	0.50	1,003,981	0.502	0.50	3,115,618	1.558	-	-	0.000	0.50	3,115,618	1.558
12.1.2) AA40, 5.56MM FRANGIBLE, PRODUCTION ENGINEERING	-	-	0.015	-	-	0.000	-	-	0.020	-	-	0.024	-	-	0.000	-	-	0.024
12.1.3) AA40, 5.56MM FRANGIBLE, QUALITY ASSURANCE	-	-	0.006	-	-	0.000	-	-	0.003	-	-	0.001	-	-	0.000	-	-	0.001
Subtotal: Recurring Cost	-	-	*2.246*	-	-	*0.499*	-	-	*0.525*	-	-	*1.583*	-	-	*0.000*	-	-	*1.583*
Subtotal: Hardware - AA40, CTG, 5.56MM FRANGIBLE SNGL RD Cost	**-**	**-**	***2.246***	**-**	**-**	***0.499***	**-**	**-**	***0.525***	**-**	**-**	***1.583***	**-**	**-**	***0.000***	**-**	**-**	***1.583***
Hardware - AA54, CTG, 12-GAUGE DOOR BREACHING M1030 Cost																		
Recurring Cost																		
13.1.1) AA54, CTG, 12-GAUGE DOOR BREACHING COMPLETE ROUND	2.62	575,119	1.508	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
13.1.2) AA54, CTG 12-GAUGE DOOR BREACHING PRODUCTION ENGINEERING	-	-	0.033	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.541*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AA54, CTG, 12-GAUGE DOOR BREACHING M1030 Cost	**-**	**-**	***1.541***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AA68, CTG, 5.56MM SHORT RANGE TRAINING Cost																		
Recurring Cost																		
14.1.1) AA68, CTG, 5.56MM SHORT RANGE(†) (3)	-	-	0.000	1.26	772,189	0.973	1.31	772,410	1.012	1.34	744,952	0.998	-	-	0.000	1.34	744,952	0.998

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
14.1.2) AA68, PRODUCTION ENGINEERING	-	-	0.000	-	-	0.008	-	-	0.003	-	-	0.006	-	-	0.000	-	-	0.006
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.981*	-	-	*1.015*	-	-	*1.004*	-	-	*0.000*	-	-	*1.004*
Subtotal: Hardware - AA68, CTG, 5.56MM SHORT RANGE TRAINING Cost	**-**	**-**	***0.000***	**-**	**-**	***0.981***	**-**	**-**	***1.015***	**-**	**-**	***1.004***	**-**	**-**	***0.000***	**-**	**-**	***1.004***
Hardware - AB05, CTG, 5.56MM SESAMS SINGLE ROUND (BLUE) Cost																		
Recurring Cost																		
15.1.1) AB05, CTG, 5.56MM SESAMS SINGLE ROUND (BLUE)	1.30	5,896,922	7.641	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*7.641*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB05, CTG, 5.56MM SESAMS SINGLE ROUND (BLUE) Cost	**-**	**-**	***7.641***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AB06, CTG, 5.56MM SESAMS SINGLE ROUND (RED) Cost																		
Recurring Cost																		
16.1.1) AB06, CTG, 5.56MM SESAMS SINGLE ROUND (RED)(†)	0.68	7,289,658	4.991	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*4.991*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB06, CTG, 5.56MM SESAMS SINGLE ROUND (RED) Cost	**-**	**-**	***4.991***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AB39,CTG,7.62 MILLIMETER,MK 316 MOD0 Cost																		
Recurring Cost																		
17.1.1) AB39, CTG 7.62 MILLIMETER,MK 316 MOD0(†) (4)	-	-	0.000	0.93	1,054,839	0.981	0.93	1,294,624	1.204	0.95	969,474	0.921	-	-	0.000	0.95	969,474	0.921
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.981*	-	-	*1.204*	-	-	*0.921*	-	-	*0.000*	-	-	*0.921*
Subtotal: Hardware - AB39,CTG,7.62 MILLIMETER,MK 316 MOD0 Cost	**-**	**-**	***0.000***	**-**	**-**	***0.981***	**-**	**-**	***1.204***	**-**	**-**	***0.921***	**-**	**-**	***0.000***	**-**	**-**	***0.921***
Hardware - AB43, CTG, CAL .300 WINCHESTER MAGNUM (WIN MAG) MATCH Cost																		
Recurring Cost																		

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
18.1.1) AB43, CAL .300 WIN MAG MATCH, COMPLETE ROUND(†) (5)	1.01	806,407	0.816	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.816*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB43, CTG, CAL .300 WINCHESTER MAGNUM (WIN MAG) MATCH Cost	**-**	**-**	***0.816***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - IAXX 6.8MM GP Cost																		
Recurring Cost																		
19.1.1) IAXX 6.8MM GP ROUND(†) (6)	-	-	0.000	-	-	0.000	-	-	0.000	1.53	163,398	0.250	-	-	0.000	1.53	163,398	0.250
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.250*	-	-	*0.000*	-	-	*0.250*
Subtotal: Hardware - IAXX 6.8MM GP Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.250***	**-**	**-**	***0.000***	**-**	**-**	***0.250***
Hardware - AB57, CTG, 5.56MM BALL M855A1 EPR Cost																		
Recurring Cost																		
20.1.1) AB57, CTG, 5.56MM BALL M855A1 EPR, LOAD, ASSEMBLE, AND PACK(†)	0.37	22,644,370	8.323	0.44	1,071,122	0.471	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
20.1.2) AB57, CTG 5.56 MM BALL EPR, METAL BOX M2A2	14.08	16,333	0.230	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
20.1.3) AB57, CTG 5.56 MM BALL EPR, PRODUCTION ENGINEERING	-	-	0.272	-	-	0.020	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
20.1.4) AB57, CTG 5.56 MM BALL EPR, QUALITY ASSURANCE	-	-	0.018	-	-	0.003	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*8.843*	-	-	*0.494*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB57, CTG, 5.56MM BALL M855A1 EPR Cost	**-**	**-**	***8.843***	**-**	**-**	***0.494***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AC15, CTG, CAL .50 4 & 1 REDUCED RANGE LINKED Cost																		
Recurring Cost																		
21.1.1) AC15, CAL .50 4 & 1	4.83	8,339,602	40.248	-	-	0.000	5.33	194,747	1.038	5.36	2,465,672	13.216	-	-	0.000	5.36	2,465,672	13.216

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Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
REDUCED RANGE LINKED, COMPLETE ROUND(†) (7)																		
Subtotal: Recurring Cost	-	-	*40.248*	-	-	*0.000*	-	-	*1.038*	-	-	*13.216*	-	-	*0.000*	-	-	*13.216*
Subtotal: Hardware - AC15, CTG, CAL .50 4 & 1 REDUCED RANGE LINKED Cost	**-**	**-**	***40.248***	**-**	**-**	***0.000***	**-**	**-**	***1.038***	**-**	**-**	***13.216***	**-**	**-**	***0.000***	**-**	**-**	***13.216***
Hardware - AC14, CTG, CAL .50 BALL REDUCED RANGE LINKED Cost																		
Recurring Cost																		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND(†) (8)	4.46	2,270,207	10.121	4.71	127,389	0.600	4.80	531,042	2.549	4.80	527,292	2.531	-	-	0.000	4.80	527,292	2.531
Subtotal: Recurring Cost	-	-	*10.121*	-	-	*0.600*	-	-	*2.549*	-	-	*2.531*	-	-	*0.000*	-	-	*2.531*
Subtotal: Hardware - AC14, CTG, CAL .50 BALL REDUCED RANGE LINKED Cost	**-**	**-**	***10.121***	**-**	**-**	***0.600***	**-**	**-**	***2.549***	**-**	**-**	***2.531***	**-**	**-**	***0.000***	**-**	**-**	***2.531***
Hardware - AC20, CTG 9MM XM1152 BALL Cost																		
Recurring Cost																		
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack(†)	-	-	0.000	-	-	0.000	0.20	33,123,220	6.625	0.25	16,791,259	4.198	-	-	0.000	0.25	16,791,259	4.198
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*6.625*	-	-	*4.198*	-	-	*0.000*	-	-	*4.198*
Subtotal: Hardware - AC20, CTG 9MM XM1152 BALL Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***6.625***	**-**	**-**	***4.198***	**-**	**-**	***0.000***	**-**	**-**	***4.198***
Hardware - AC21, CTG 9MM XM1153 SPECIAL PURPOSE Cost																		
Recurring Cost																		
24.1.1) AC21, CTG 9MM XM1153 SPECIAL PURPOSE Load Assemble and Pack(†)	-	-	0.000	-	-	0.000	0.22	1,045,238	0.230	0.28	434,216	0.122	-	-	0.000	0.28	434,216	0.122
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.230*	-	-	*0.122*	-	-	*0.000*	-	-	*0.122*
Subtotal: Hardware - AC21, CTG 9MM XM1153 SPECIAL PURPOSE Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.230***	**-**	**-**	***0.122***	**-**	**-**	***0.000***	**-**	**-**	***0.122***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AC07 (formerly AXX3), CTG, 9MM BLANK SINGLE ROUND Cost																		
Recurring Cost																		
25.1.1) AC07 (formerly AXX3), 9MM BLANK, COMPLETE ROUND(†) (9)	0.45	951,238	0.425	-	-	0.000	0.39	312,820	0.122	0.40	295,000	0.118	-	-	0.000	0.40	295,000	0.118
Subtotal: Recurring Cost	-	-	*0.425*	-	-	*0.000*	-	-	*0.122*	-	-	*0.118*	-	-	*0.000*	-	-	*0.118*
Subtotal: Hardware - AC07 (formerly AXX3), CTG, 9MM BLANK SINGLE ROUND Cost	**-**	**-**	***0.425***	**-**	**-**	***0.000***	**-**	**-**	***0.122***	**-**	**-**	***0.118***	**-**	**-**	***0.000***	**-**	**-**	***0.118***
Hardware - AC36 CTG, M1041 9MM MARKING, BLUE Cost																		
Recurring Cost																		
26.1.1) AC36, M1041 9MM MARKING, BLUE Load assemble and pack(†)	-	-	0.000	-	-	0.000	0.56	1,346,429	0.754	0.59	676,272	0.399	-	-	0.000	0.59	676,272	0.399
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.754*	-	-	*0.399*	-	-	*0.000*	-	-	*0.399*
Subtotal: Hardware - AC36 CTG, M1041 9MM MARKING, BLUE Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.754***	**-**	**-**	***0.399***	**-**	**-**	***0.000***	**-**	**-**	***0.399***
Hardware - AC37, M1041 9MM MARKING, RED Cost																		
Recurring Cost																		
27.1.1) AC37, M1041 9MM MARKING, RED Load Assemble and pack(†)	-	-	0.000	-	-	0.000	0.56	1,328,571	0.744	0.59	667,500	0.394	-	-	0.000	0.59	667,500	0.394
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.744*	-	-	*0.394*	-	-	*0.000*	-	-	*0.394*
Subtotal: Hardware - AC37, M1041 9MM MARKING, RED Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.744***	**-**	**-**	***0.394***	**-**	**-**	***0.000***	**-**	**-**	***0.394***
Hardware - AC58, CTG, 6.5 Creedmoor (6.5CM) Cost																		
Recurring Cost																		
28.1.1) AC58, CTG, 6.5MM Creedmoor (6.5CM)(†) (10)	-	-	0.000	-	-	0.000	1.53	1,439,215	2.202	1.56	568,590	0.887	-	-	0.000	1.56	568,590	0.887
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*2.202*	-	-	*0.887*	-	-	*0.000*	-	-	*0.887*
Subtotal: Hardware - AC58, CTG, 6.5 Creedmoor (6.5CM) Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***2.202***	**-**	**-**	***0.887***	**-**	**-**	***0.000***	**-**	**-**	***0.887***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 3 / Small Arms Ammunition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - AB64, CTG, CAL .50 4 & 1 REDUCED RANGE LINKED Cost																		
Recurring Cost																		
29.1.1) AB64, CTG, CAL .50 4 & 1 REDUCED RANGE LINKED	4.66	3,507,511	16.345	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*16.345*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB64, CTG, CAL .50 4 & 1 REDUCED RANGE LINKED Cost	**-**	**-**	***16.345***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AB65, CTG, CAL .50 BALL REDUCED RANGE LINKED Cost																		
Recurring Cost																		
30.1.1) AB65, CTG, CAL .50 BALL REDUCED RANGE LINKED	4.27	1,948,947	8.322	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*8.322*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AB65, CTG, CAL .50 BALL REDUCED RANGE LINKED Cost	**-**	**-**	***8.322***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AC39, CTG, 5.56MM MARKING M1042 (BLUE) Cost																		
Recurring Cost																		
31.1.1) AC39 5.56MM MARKING BLUE(†)	0.69	5,072,460	3.500	0.91	4,053,429	3.689	0.93	2,126,025	1.977	0.95	1,044,010	0.992	-	-	0.000	0.95	1,044,010	0.992
31.1.2) AC39 PRODUCTION ENGINEERING	-	-	0.000	-	-	0.053	-	-	0.056	-	-	0.008	-	-	0.000	-	-	0.008
Subtotal: Recurring Cost	-	-	*3.500*	-	-	*3.742*	-	-	*2.033*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - AC39, CTG, 5.56MM MARKING M1042 (BLUE) Cost	**-**	**-**	***3.500***	**-**	**-**	***3.742***	**-**	**-**	***2.033***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - AC40, 5.56MM MARKING M1042 (RED) Cost																		
Recurring Cost																		
32.1.1) AC40, CTG, 5.56MM MARKING M1042 (RED)(†)	0.69	3,389,860	2.339	0.67	3,245,871	2.175	0.94	1,282,978	1.206	0.95	1,043,997	0.992	-	-	0.000	0.95	1,043,997	0.992
32.1.2) AC40 PRODUCTION ENGINEERING	-	-	0.000	-	-	0.032	-	-	0.017	-	-	0.008	-	-	0.000	-	-	0.008

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	*2.339*	-	-	*2.207*	-	-	*1.223*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - AC40, 5.56MM MARKING M1042 (RED) Cost	**-**	**-**	***2.339***	**-**	**-**	***2.207***	**-**	**-**	***1.223***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Hardware - AEB9, 9MM ENHANCED BARRIER BALL Cost																		
Recurring Cost																		
33.1.1) AEB9 9MM ENHANCED BARRIER BALL(†) (11)	0.54	2,718,500	1.468	-	-	0.000	0.54	3,129,629	1.690	0.55	401,000	0.221	-	-	0.000	0.55	401,000	0.221
33.1.2) ENGINEERING AND TECHNICAL SUPPORT	-	-	0.230	-	-	0.000	-	-	0.176	-	-	0.032	-	-	0.000	-	-	0.032
Subtotal: Recurring Cost	-	-	*1.698*	-	-	*0.000*	-	-	*1.866*	-	-	*0.253*	-	-	*0.000*	-	-	*0.253*
Subtotal: Hardware - AEB9, 9MM ENHANCED BARRIER BALL Cost	**-**	**-**	***1.698***	**-**	**-**	***0.000***	**-**	**-**	***1.866***	**-**	**-**	***0.253***	**-**	**-**	***0.000***	**-**	**-**	***0.253***
Hardware - AC32, .338 NORMA MAGNUM AP XM1162 Cost																		
Recurring Cost																		
34.1.1) AC32, .338 NORMA MAG AP XM1162	11.47	23,541	0.270	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.270*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - AC32, .338 NORMA MAGNUM AP XM1162 Cost	**-**	**-**	***0.270***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - AC33 - Cartridge, .300 Caliber Norma Magnum XM1163 Cost																		
Recurring Cost																		
35.1.1) AC33,Cartridge, .300 Caliber Norma Magnum, XM1163(†)	3.29	102,134	0.336	-	-	0.000	3.80	385,414	1.465	2.87	155,958	0.448	-	-	0.000	2.87	155,958	0.448
Subtotal: Recurring Cost	-	-	*0.336*	-	-	*0.000*	-	-	*1.465*	-	-	*0.448*	-	-	*0.000*	-	-	*0.448*
Subtotal: Hardware - AC33 - Cartridge, .300 Caliber Norma Magnum XM1163 Cost	**-**	**-**	***0.336***	**-**	**-**	***0.000***	**-**	**-**	***1.465***	**-**	**-**	***0.448***	**-**	**-**	***0.000***	**-**	**-**	***0.448***
Hardware - A3NT 9MM BALL / NON TOXIC / LEAD FREE Cost																		
Recurring Cost																		

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ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
36.1.1) Load, Assemble, and Pack(†) (12)	-	-	0.000	-	-	0.000	0.63	191,349	0.121	0.64	101,562	0.065	-	-	0.000	0.64	101,562	0.065
36.1.2) Engineering Support	-	-	0.000	-	-	0.000	-	-	0.001	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.122*	-	-	*0.065*	-	-	*0.000*	-	-	*0.065*
Subtotal: Hardware - A3NT 9MM BALL / NON TOXIC / LEAD FREE Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.122***	**-**	**-**	***0.065***	**-**	**-**	***0.000***	**-**	**-**	***0.065***
Hardware - AABK Cost																		
Recurring Cost																		
37.1.1) AABK COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	4.32	6,944	0.030	4.40	2,500	0.011	-	-	0.000	4.40	2,500	0.011
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.030*	-	-	*0.011*	-	-	*0.000*	-	-	*0.011*
Subtotal: Hardware - AABK Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.030***	**-**	**-**	***0.011***	**-**	**-**	***0.000***	**-**	**-**	***0.011***
Gross/Weapon System Cost	**-**	**-**	**196.764**	**-**	**-**	**41.785**	**-**	**-**	**109.540**	**-**	**-**	**121.199**	**-**	**-**	**0.000**	**-**	**-**	**121.199**

(†) indicates the presence of a P-5a

Footnotes:

(2) This is a Non-SMCA round.

(3) AB67 will be the new 5.56mm Short Range available through the SMCA.

(4) This is a Non SMCA round.

(5) AB43: No historical cost data associated due to re-established requirement. IAXX CTG 6.8MM SPECIAL PURPOSE 4SP/1TRCR LINKED

(6) This round will represent a new requirement that will be available through the SMCA in FY 2024.

(7) This currently a Non SMCA procured round.

(8) These munitions requirements are based on the Total Munitions Requirement (TMR) published by DC, CD&I on 12 Sep 22. This is currently a Non SMCA procured round.

(9) These munitions requirements are based on the Total Munitions Requirement (TMR) published by DC, CD&I on 12 Sep 22. This is currently a Non SMCA procured round.

(10) This is currently a Non SMCA procured round.

(11) This is currently a Non SMCA procured round.

(12) This is currently a Non SMCA procured round.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 3 / Small Arms Ammunition

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) A011, CTG, 12 GAUGE COMPLETE ROUND		2021	OLIN WINCHESTER / EAST ALTON, IL	C / IDIQ	Rock Island Arsenal, IL	Mar 2021	Feb 2022	288,722	0.57	Y		
2.1.1) A011, CTG, 12 GAUGE COMPLETE ROUND		2022	OLIN WINCHESTER / EAST ALTON, IL	C / IDIQ	Rock Island Arsenal, IL	Mar 2022	Feb 2023	743,787	0.57	Y		
2.1.4) A011 CTG, 12 Gauge #00 BUCKSHOT M162 UKR PD		2022	OLIN CORPS WINCHESTER / EAST ALTON, IL	C / FFP	ROCK ISLAND ARSENAL	Aug 2022	Feb 2023	178,947	0.57	Y		
3.1.1) A023, 12 GAUGE 1OZ SLUG, COMPLETE ROUND		2023	TO BE SELECTED / TBD	C / TBD	NSWC CD, CRANE, IN	Apr 2023	Oct 2023	290,442	0.90	Y		
3.1.1) A023, 12 GAUGE 1OZ SLUG, COMPLETE ROUND		2024	TO BE SELECTED / TBD	C / TBD	NSWC CD, CRANE, IN	Oct 2023	Apr 2024	286,667	0.90	Y		
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)(†)		2021	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Mar 2021	Sep 2021	75,988,545	0.33	Y		
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)(†)		2022	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Oct 2021	Apr 2022	46,064,865	0.37	Y		
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)(†)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	88,721,795	0.39	Y		
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)(†)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Apr 2024	Oct 2024	76,700,000	0.40	Y		
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)(†)		2023	OLIN-WINCHESTER DIV / OXFORD, MS	C / FFP	ROCK ISLAND ARSENAL	Mar 2023	Mar 2024	88,721,794	0.39	Y		
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)(†)		2024	OLIN-WINCHESTER DIV / OXFORD, MS	C / FFP	Rock Island Arsenal, IL	Apr 2024	Apr 2025	76,700,000	0.40	Y		
5.1.1) A130, Ctg, 7.62mm Ball M80 CLPD		2023	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Mar 2023	Oct 2023	367,240	0.58	Y		
5.1.1) A130, Ctg, 7.62mm Ball M80 CLPD		2024	OLIN-WINCHESTER / LCAAP	C / TBD	Rock Island Arsenal, IL	Apr 2024	Nov 2024	136,144	0.83	Y		
6.1.1) A143, CTG 7.62MM BALL M80 LNKD Load, Assemble and Pack		2024	TBD / TBD	C / TBD	MCSC, QUANTICO, VA	Apr 2024	Jun 2024	3,673,863	0.88	N	Aug 2023	Oct 2023
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND(†)		2021	OLIN-WINCHESTER / LCAAP	C / IDIQ	Rock Island Arsenal, IL	Mar 2021	Oct 2021	1,252,753	0.78	Y		
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND(†)		2022	OLIN-WINCHESTER / LCAAP	C / IDIQ	Rock Island Arsenal, IL	Apr 2022	Nov 2022	9,775,456	0.79	Y		
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND(†)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Mar 2023	Oct 2023	16,236,782	0.87	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND(†)		2024	OLIN-WINCHESTER / LCAAP	C / TBD	Rock Island Arsenal, IL	Oct 2023	May 2024	25,944,585	0.89	Y		
8.1.1) A363, 9MM BALL, COMPLETE ROUND		2021	OLIN CORPORATION / ILLINOIS	C / FFP	Rock Island Arsenal, IL	Mar 2021	Sep 2021	1,331,751	0.18	Y		
8.1.1) A363, 9MM BALL, COMPLETE ROUND		2022	OLIN CORPORATION / ILLINOIS	C / FFP	Rock Island Arsenal, IL	Apr 2022	Oct 2022	1,014,323	0.22	Y		
8.1.1) A363, 9MM BALL, COMPLETE ROUND		2023	OLIN CORPORATION / ILLINOIS	C / FFP	Rock Island Arsenal, IL	Feb 2023	Sep 2023	1,038,455	0.21	Y		
8.1.1) A363, 9MM BALL, COMPLETE ROUND		2024	OLIN CORPORATION / ILLINOIS	C / TBD	Rock Island Arsenal, IL	Apr 2024	Oct 2024	1,022,744	0.22	Y		
9.1.1) A555, CAL .50 BALL M33 LINKED, COMPLETE ROUND		2021	MAC LLC / BAY ST. LOUIS, MI	SS / FFP	MCSC, QUANTICO, VA.	Jan 2021	Aug 2021	1,184,773	2.43	Y		
9.1.1) A555, CAL .50 BALL M33 LINKED, COMPLETE ROUND		2022	MAC LLC / BAY ST. LOUIS, MI	SS / FFP	MCSC, QUANTICO, VA	Apr 2022	Nov 2022	182,273	2.64	Y		
9.1.1) A555, CAL .50 BALL M33 LINKED, COMPLETE ROUND		2023	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Mar 2023	Oct 2023	183,959	2.74	Y		
9.1.1) A555, CAL .50 BALL M33 LINKED, COMPLETE ROUND		2024	MAC LLC / BAY ST. LOUIS, MI	C / TBD	ROCK ISLAND ARSENAL	Oct 2023	May 2024	941,309	2.78	N		
10.1.1) A576, CAL. 50 4 & 1 LINKED, COMPLETE ROUND		2021	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Jan 2021	Jan 2022	55,830	2.83	Y		
10.1.1) A576, CAL. 50 4 & 1 LINKED, COMPLETE ROUND		2022	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Apr 2022	Apr 2023	1,366,337	3.03	Y		
10.1.1) A576, CAL. 50 4 & 1 LINKED, COMPLETE ROUND		2023	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Mar 2023	Mar 2024	48,325	3.19	Y		
10.1.1) A576, CAL. 50 4 & 1 LINKED, COMPLETE ROUND		2024	OLIN-WINCHESTER / LCAAP	C / TBD	ROCK ISLAND ARSENAL	Oct 2023	Oct 2024	48,007	3.23	Y		
10.1.4) A576 .50 cal 4&1 LINKED UKR PD		2022	OLIN-WINCHESTER / LCAAP	C / FFP	ROCK ISLAND ARSENAL	Aug 2022	Feb 2023	582,508	3.03	Y		
12.1.1) AA40, 5.56MM FRANGIBLE, COMPLETE ROUND		2021	VISTA OUTDOOR SALES / ANOKA, MN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2021	Oct 2021	1,264,446	0.39	Y		
12.1.1) AA40, 5.56MM FRANGIBLE, COMPLETE ROUND		2022	VISTA OUTDOOR SALES / ANOKA, MN	C / FFP	PICATINNY ARSENAL, NJ	Oct 2021	Apr 2022	1,217,073	0.41	Y		
12.1.1) AA40, 5.56MM FRANGIBLE, COMPLETE ROUND		2023	VISTA OUTDOOR SALES / ANOKA, MN	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2024	1,003,981	0.50	Y		
12.1.1) AA40, 5.56MM FRANGIBLE, COMPLETE ROUND		2024	VISTA OUTDOOR SALES / ANOKA, MN	C / FFP	PICATINNY ARSENAL, NJ	Oct 2023	Apr 2024	3,115,618	0.50	Y		
14.1.1) AA68, CTG, 5.56MM SHORT RANGE		2022 (13)	TBD / TBD	TBD	Rock Island Arsenal, IL	Apr 2023	Nov 2023	772,189	1.26	Y		
14.1.1) AA68, CTG, 5.56MM SHORT RANGE		2023	TBD / TBD	C / TBD	Rock Island Arsenal, IL	Apr 2023	Nov 2023	772,410	1.31	Y		

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14.1.1) AA68, CTG, 5.56MM SHORT RANGE		2024	TBD / TBD	C / TBD	Rock Island Arsenal, IL	Oct 2023	May 2024	744,952	1.34	Y		
16.1.1) AB06, CTG, 5.56MM SESAMS SINGLE ROUND (RED)		2021	GENERAL DYNAMICS / CANADA	C / TBD	MCSC, QUANTICO, VA	Apr 2021	Jul 2021	3,264,285	0.70	Y		
17.1.1) AB39, CTG 7.62 MILLIMETER,MK 316 MOD0		2022 (14)	TBD / TBD	TBD	NSWC CD, CRANE, IN	Apr 2023	Nov 2023	1,054,839	0.93	Y		
17.1.1) AB39, CTG 7.62 MILLIMETER,MK 316 MOD0		2023	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Apr 2023	Nov 2023	1,294,624	0.93	Y		
17.1.1) AB39, CTG 7.62 MILLIMETER,MK 316 MOD0		2024	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Oct 2023	May 2024	969,474	0.95	Y		
18.1.1) AB43, CAL .300 WIN MAG MATCH, COMPLETE ROUND	✓	2019	VISTA OUTDOOR SALES / ANOKA, MN	C / IDIQ	Rock Island Arsenal, IL	Nov 2019	Jun 2020	779,000	1.00	Y		
19.1.1) IAXX 6.8MM GP ROUND		2024	TBD / TBD	C / TBD	TBD	Oct 2023	Oct 2023	163,398	1.53	N	Sep 2024	
20.1.1) AB57, CTG, 5.56MM BALL M855A1 EPR, LOAD, ASSEMBLE, AND PACK		2021	Winchester (LCAAP) / Independence, MO	C / IDIQ	ROCK ISLAND ARSENAL	Mar 2022	Oct 2022	8,919,512	0.41	Y		
20.1.1) AB57, CTG, 5.56MM BALL M855A1 EPR, LOAD, ASSEMBLE, AND PACK		2022	Winchester (LCAAP) / Independence, MO	C / IDIQ	ROCK ISLAND ARSENAL	Apr 2022	Nov 2023	1,071,122	0.44	Y		
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND(†)		2019 (15)	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Jan 2020	Jul 2022	6,783,125	4.80	Y		
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND(†)		2020 (16)	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Sep 2020	Jul 2022	1,556,477	4.94	Y		
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND(†)		2023 (17)	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Apr 2023	Jul 2023	194,747	5.33	Y		
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND(†)		2024	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Oct 2023	Jan 2024	2,465,672	5.36	Y		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND		2019 (18)	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Jan 2020	Jul 2022	1,534,300	4.40	Y		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND	✓	2020 (19)	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Sep 2020	Jul 2022	476,379	4.53	Y		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND		2021	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Apr 2021	Jul 2022	259,528	4.67	Y		

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22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND		2022	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	May 2022	Aug 2022	127,389	4.71	Y		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND		2023	OCR Global / Fairfax, VA	C / IDIQ	NSWC CD, CRANE, IN	Mar 2023	Jun 2023	531,042	4.80	Y		
22.1.1) AC14, CAL .50 BALL REDUCED RANGE LINKED, COMPLETE ROUND		2024	TO BE SELECTED / TBD	C / TBD	NSWC CD, CRANE, IN	Oct 2023	Jan 2024	527,292	4.80	Y		
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack(†)		2023	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Mar 2023	Sep 2023	33,123,220	0.20	Y		
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack(†)		2024	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Oct 2023	Apr 2024	16,791,259	0.25	Y		
24.1.1) AC21, CTG 9MM XM1153 SPECIAL PURPOSE Load Assemble and Pack		2023	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Mar 2023	Sep 2023	1,045,238	0.22	Y		
24.1.1) AC21, CTG 9MM XM1153 SPECIAL PURPOSE Load Assemble and Pack		2024	OLIN-WINCHESTER / LCAAP	C / FFP	Rock Island Arsenal, IL	Oct 2023	Apr 2024	434,216	0.28	Y		
25.1.1) AC07 (formerly AXX3), 9MM BLANK, COMPLETE ROUND		2021	GDOTS CANADA / CANADA	SS / FFP	MCSC, QUANTICO, VA	Oct 2020	Apr 2021	300,000	0.38	Y		
25.1.1) AC07 (formerly AXX3), 9MM BLANK, COMPLETE ROUND		2023	GDOTS CANADA / CANADA	SS / FFP	MCSC, QUANTICO, VA	Oct 2022	Apr 2023	312,820	0.39	Y		
26.1.1) AC36, M1041 9MM MARKING, BLUE Load assemble and pack		2023	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	Rock Island Arsenal, IL	Mar 2023	Sep 2023	1,346,429	0.56	Y		
26.1.1) AC36, M1041 9MM MARKING, BLUE Load assemble and pack		2024	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	Rock Island Arsenal, IL	Oct 2023	Apr 2024	676,272	0.59	Y		
27.1.1) AC37, M1041 9MM MARKING, RED Load Assemble and pack		2023	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	Rock Island Arsenal, IL	Mar 2023	Sep 2023	1,328,571	0.56	Y		
27.1.1) AC37, M1041 9MM MARKING, RED Load Assemble and pack		2024	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	Rock Island Arsenal, IL	Oct 2023	Apr 2024	667,500	0.59	Y		
28.1.1) AC58, CTG, 6.5MM Creedmoor (6.5CM)		2023	TO BE SELECTED / TBD	C / TBD	MCSC, QUANTICO, VA	Mar 2023	Oct 2023	1,439,215	1.53	Y		
31.1.1) AC39 5.56MM MARKING BLUE		2022	GENERAL DYNAMICS OTS / CANADA	C / FFP	Rock Island Arsenal, IL	Oct 2021	Jan 2022	4,053,429	0.91	Y		
31.1.1) AC39 5.56MM MARKING BLUE		2023	ULTIMATE TRAINING MUNITIONS / CANADA	C / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Oct 2023	2,126,025	0.93	Y		

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Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
31.1.1) AC39 5.56MM MARKING BLUE		2024	GENERAL DYNAMICS OTS / CANADA	C / TBD	Rock Island Arsenal, IL	Oct 2023	Jan 2024	1,044,010	0.95	Y		
32.1.1) AC40, CTG, 5.56MM MARKING M1042 (RED)		2022	GENERAL DYNAMICS OTS / CANADA	C / FFP	Rock Island Arsenal, IL	Oct 2021	Jan 2022	3,245,871	0.67	Y		
32.1.1) AC40, CTG, 5.56MM MARKING M1042 (RED)		2023	ULTIMATE TRAINING MUNITIONS / CANADA	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Oct 2023	1,282,978	0.94	Y		
32.1.1) AC40, CTG, 5.56MM MARKING M1042 (RED)		2024	GENERAL DYNAMICS OTS / CANADA	C / TBD	Rock Island Arsenal, IL	Oct 2023	Jan 2024	1,043,997	0.95	N	Feb 2023	
33.1.1) AEB9 9MM ENHANCED BARRIER BALL		2023	TO BE SELECTED / TBD	C / TBD	NSWC CORONA, DIV	Apr 2023	Oct 2023	3,129,629	0.54	Y		
33.1.1) AEB9 9MM ENHANCED BARRIER BALL		2024	TO BE SELECTED / TBD	C / TBD	NSWC CORONA, DIV	Oct 2023	Apr 2024	401,000	0.55	N		
35.1.1) AC33,Cartridge, .300 Caliber Norma Magnum, XM1163		2023	BLACK HILLS AMMUNITION / RAPID CITY, SD	C / FFP	Rock Island Arsenal, IL	Mar 2023	Sep 2023	385,414	3.80	Y		
35.1.1) AC33,Cartridge, .300 Caliber Norma Magnum, XM1163		2024	BLACK HILLS AMMUNITION / RAPID CITY, SD	C / TBD	Rock Island Arsenal, IL	Oct 2023	Apr 2024	155,958	2.87	Y		
36.1.1) Load, Assemble, and Pack		2023	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Mar 2023	Sep 2023	191,349	0.63	Y		
37.1.1) AABK COMPLETE ROUND		2023	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Jun 2023	Dec 2023	6,944	4.32	N	Mar 2023	
37.1.1) AABK COMPLETE ROUND		2024	TBD / TBD	C / TBD	NSWC CD, CRANE, IN	Oct 2023	Apr 2024	2,500	4.40	Y		

(†) indicates the presence of a P-21

Footnotes:

(13) Contract award pushed to FY23 due to procurement of AA68 is no longer going through JMC. AB67 5.56mm SRTA will be the replacement round in FY23.

(14) Contract award pushed to FY23 due to contract vehicle not available in FY22.

(15) Material shortage due to COVID-19 resulted in 27 month delay.

(16) Material shortage due to COVID-19 resulted in 19 month delay.

(17) Awaiting contract award to establish vendor. Predicted 4th FY23.

(18) Material shortage due to COVID-19 resulting in a 27 month delay

(19) Material shortage due to COVID-19 resulting in a 19 months delay

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Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
							Calendar Year 2020												Calendar Year 2021												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)																															
Prior Years Deliveries: 186472783																															
	1	2021	NAVY	75.989	.000	75.989																		A -	-	-	-	-	-	7.588	68.401
	1	2022	NAVY	46.065	.000	46.065																									46.065
	1	2023	NAVY	88.722	.000	88.722																									88.722
	1	2024	NAVY	76.700	.000	76.700																									76.700
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)																															
	2	2023	NAVY	88.722	.000	88.722																									88.722
	2	2024	NAVY	76.700	.000	76.700																									76.700
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND																															
	3	2021	NAVY	1.253	.000	1.253																		A -	-	-	-	-	-	-	1.253
	3	2022	NAVY	9.775	.000	9.775																									9.775
	3	2023	NAVY	16.237	.000	16.237																									16.237
	3	2024	NAVY	25.945	.000	25.945																									25.945
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND (7)																															
	4	2019	NAVY	6.783	.000	6.783				A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.783
	4	2020	NAVY	1.556	.000	1.556												A -	-	-	-	-	-	-	-	-	-	-	-	-	1.556
	5	2023	NAVY	.195	.000	.195																									.195
	5	2024	NAVY	2.466	.000	2.466																									2.466
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack																															
	6	2023	NAVY	33.123	.000	33.123																									33.123
	6	2024	NAVY	16.791	.000	16.791																									16.791
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

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Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2022													Fiscal Year 2023												BALANCE
							Calendar Year 2022																Calendar Year 2023									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)																																
Prior Years Deliveries: 186472783																																
	1	2021	NAVY	75.989	7.588	68.401	7.588	7.588	7.588	7.588	7.588	7.588	7.588	7.588	7.700																	.000
	1	2022	NAVY	46.065	.000	46.065	A -	-	-	-	-	-	2.448	.065	7.393	7.393	7.393	7.393	7.393	6.584												.000
	1	2023	NAVY	88.722	.000	88.722																		A -	-	-	-	-	-	-		88.722
	1	2024	NAVY	76.700	.000	76.700																										76.700
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)																																
	2	2023	NAVY	88.722	.000	88.722																		A -	-	-	-	-	-	-		88.722
	2	2024	NAVY	76.700	.000	76.700																										76.700
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND																																
	3	2021	NAVY	1.253	.000	1.253	1.163	.089																								.000
	3	2022	NAVY	9.775	.000	9.775							A -	-	-	-	-	-	-	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.286	.490		.000
	3	2023	NAVY	16.237	.000	16.237																		A -	-	-	-	-	-	-		16.237
	3	2024	NAVY	25.945	.000	25.945																										25.945
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND (7)																																
	4	2019	NAVY	6.783	.000	6.783	-	-	-	-	-	-	-	-	-	.500	.500	.500	.500	.500	.500	.500	.500	.500	.500	1.376	.407					.000
	4	2020	NAVY	1.556	.000	1.556	-	-	-	-	-	-	-	-	-	.500	.500	.500	.056													.000
	5	2023	NAVY	.195	.000	.195																			A -	-	-	.195				.000
	5	2024	NAVY	2.466	.000	2.466																										2.466
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack																																
	6	2023	NAVY	33.123	.000	33.123																		A -	-	-	-	-	-	2.906		30.218
	6	2024	NAVY	16.791	.000	16.791																										16.791
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

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Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)																															
Prior Years Deliveries: 186472783																															
	1	2021	NAVY	75.989	75.989	.000																									.000
	1	2022	NAVY	46.065	46.065	.000																									.000
	1	2023	NAVY	88.722	.000	88.722	-	-	-	-	-	7.393	7.394	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393								.000
	1	2024	NAVY	76.700	.000	76.700							A -	-	-	-	-	-	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	6.392	.000
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)																															
	2	2023	NAVY	88.722	.000	88.722	-	-	-	-	-	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393	7.393								.000
	2	2024	NAVY	76.700	.000	76.700							A -	-	-	-	-	-	-	-	-	-	-	-	6.392	6.392	6.392	6.392	6.392	6.392	38.350
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND																															
	3	2021	NAVY	1.253	1.253	.000																									.000
	3	2022	NAVY	9.775	9.775	.000																									.000
	3	2023	NAVY	16.237	.000	16.237	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353													.000
	3	2024	NAVY	25.945	.000	25.945	A -	-	-	-	-	-	-	2.162	2.162	2.162	2.162	2.162	2.162	2.162	2.162	2.162	2.162	2.162	2.162						.000
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND (7)																															
	4	2019	NAVY	6.783	6.783	.000																									.000
	4	2020	NAVY	1.556	1.556	.000																									.000
	5	2023	NAVY	.195	.195	.000																									.000
	5	2024	NAVY	2.466	.000	2.466	A -	-	-	.205	.205	.205	.205	.205	.205	.205	.205	.205	.205	.205	.205										.000
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack																															
	6	2023	NAVY	33.123	2.906	30.218	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906	2.906	1.161	2.906														.000
	6	2024	NAVY	16.791	.000	16.791	A -	-	-	-	-	-	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399							.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 3 / Small Arms Ammunition

Cost Elements (Units in Millions, * = < 500)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
4.1.1) A059 load assemble and pack Olin Winchester (LCAAP)																															
Prior Years Deliveries: 186472783																															
	1	2021	NAVY	75.989	75.989	.000																									.000
	1	2022	NAVY	46.065	46.065	.000																									.000
	1	2023	NAVY	88.722	88.722	.000																									.000
	1	2024	NAVY	76.700	76.700	.000																									.000
4.1.2) A059 load assemble and pack Olin Corporation, Winchester (DIV Oxford)																															
	2	2023	NAVY	88.722	88.722	.000																									.000
	2	2024	NAVY	76.700	38.350	38.350	6.392	6.392	6.392	6.392	6.392	6.392																			.000
7.1.1) A151, 7.62MM 4/1 LINKED COMPLETE ROUND																															
	3	2021	NAVY	1.253	1.253	.000																									.000
	3	2022	NAVY	9.775	9.775	.000																									.000
	3	2023	NAVY	16.237	16.237	.000																									.000
	3	2024	NAVY	25.945	25.945	.000																									.000
21.1.1) AC15, CAL .50 4 & 1 REDUCED RANGE LINKED, COMPLETE ROUND (7)																															
	4	2019	NAVY	6.783	6.783	.000																									.000
	4	2020	NAVY	1.556	1.556	.000																									.000
	5	2023	NAVY	.195	.195	.000																									.000
	5	2024	NAVY	2.466	2.466	.000																									.000
23.1.1) AC20, CTG 9MM XM1152 BALL Load Assemble and pack																															
	6	2023	NAVY	33.123	33.123	.000																									.000
	6	2024	NAVY	16.791	16.791	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 3 / Small Arms Ammunition

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	OLIN-WINCHESTER - LCAAP	20,160	20,000,000	234,000,000	6	6	12	18	6	6	6	12
2	OLIN-WINCHESTER DIV - OXFORD, MS	20,160	20,000,000	234,000,000	6	6	12	18	6	6	12	18
3	OLIN-WINCHESTER - LCAAP	9,600	166,200,000	573,600,000	6	6	12	18	6	6	7	13
4	OCR Global - Fairfax, VA	16,600	500,000	7,000,000	6	6	6	12	6	6	3	9
5	TBD - TBD	16,600	500,000	7,000,000	6	6	6	12	6	6	3	9
6	OLIN-WINCHESTER - LCAAP	10,000	3,000,000	36,000,000	6	6	12	18	6	6	6	12

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1350 / Infantry Weapons Ammunition	**Item Number / Title [DODIC]:** 4 / CTG, 30 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1.242	4.272	8.154	5.619	0.000	5.619
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	1.242	4.272	8.154	5.619	0.000	5.619
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.242**	**4.272**	**8.154**	**5.619**	**0.000**	**5.619**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - B139 (FORMERLY B30T), CTG, 30MM TARGET PRACTICE (TP) XM950 Cost																		
Recurring Cost																		
1.1.1) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (NGIS)(†) (20)	27.58	16,968	0.468	28.52	19,888	0.567	39.54	5,659	0.224	35.35	7,302	0.258	-	-	0.000	35.35	7,302	0.258
1.1.2) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (GD-OTS)(†) (21)	-	-	0.000	-	-	0.000	39.54	5,659	0.224	35.35	7,302	0.258	-	-	0.000	35.35	7,302	0.258
1.1.3) B139 - CTG, 30MM TP XM950 - Production Engineering	-	-	0.020	-	-	0.013	-	-	0.035	-	-	0.041	-	-	0.000	-	-	0.041
1.1.4) B139 - CTG, 30MM TP XM950 - Quality Assurance	-	-	0.008	-	-	0.008	-	-	0.023	-	-	0.011	-	-	0.000	-	-	0.011
1.1.5) First Article Test	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.020	-	-	0.000	-	-	0.020
Subtotal: Recurring Cost	-	-	*0.496*	-	-	*0.588*	-	-	*0.506*	-	-	*0.588*	-	-	*0.000*	-	-	*0.588*
Subtotal: Hardware - B139 (FORMERLY B30T), CTG, 30MM TARGET PRACTICE (TP) XM950 Cost	**-**	**-**	***0.496***	**-**	**-**	***0.588***	**-**	**-**	***0.506***	**-**	**-**	***0.588***	**-**	**-**	***0.000***	**-**	**-**	***0.588***
Hardware - AC55 (FORMERLY B30W), CTG, 30MM HIGH EXPLOSIVE DUAL PURPOSE-SELF DESTRUCT (HEDP-SD) XM1198 Cost																		
Recurring Cost																		
2.1.1) AC55 - CTG, 30MM HEDP-SD	152.53	3,560	0.543	186.37	9,650	1.798	160.53	23,375	3.752	203.60	12,203	2.485	-	-	0.000	203.60	12,203	2.485

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 4 / CTG, 30 MM, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
XM1198 - Load, Assemble and Pack (NGIS)(†) (22)																		
2.1.2) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (GD-OTS)(†) (23)	-	-	0.000	186.37	9,650	1.798	160.53	23,375	3.752	203.60	12,204	2.485	-	-	0.000	203.60	12,204	2.485
2.1.3) AC55 - CTG, 30MM HEDP-SD XM1198 - Production Engineering	-	-	0.200	-	-	0.065	-	-	0.141	-	-	0.058	-	-	0.000	-	-	0.058
2.1.4) AC55 - CTG, 30MM HEDP-SD XM1198 - Quality Assurance	-	-	0.003	-	-	0.023	-	-	0.003	-	-	0.003	-	-	0.000	-	-	0.003
Subtotal: Recurring Cost	-	-	*0.746*	-	-	*3.684*	-	-	*7.648*	-	-	*5.031*	-	-	*0.000*	-	-	*5.031*
Subtotal: Hardware - AC55 (FORMERLY B30W), CTG, 30MM HIGH EXPLOSIVE DUAL PURPOSE-SELF DESTRUCT (HEDP-SD) XM1198 Cost	**-**	**-**	***0.746***	**-**	**-**	***3.684***	**-**	**-**	***7.648***	**-**	**-**	***5.031***	**-**	**-**	***0.000***	**-**	**-**	***5.031***
Gross/Weapon System Cost	**-**	**-**	**1.242**	**-**	**-**	**4.272**	**-**	**-**	**8.154**	**-**	**-**	**5.619**	**-**	**-**	**0.000**	**-**	**-**	**5.619**

(†) indicates the presence of a P-5a

Footnotes:

(20) All pricing is received through the SMCA and incorporates other service buys.

(21) All pricing is received through the SMCA and incorporates other service buys.

(22) All pricing is received through the SMCA and incorporates other service buys.

(23) All pricing is received through the SMCA and incorporates other service buys.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 4 / CTG, 30 MM, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (NGIS)		2021	NORTHROP GRUMMAN INNOVATION SYSTEMS (24) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2021	Mar 2022	16,968	27.59	Y		Jan 2020
1.1.1) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (NGIS)		2022	NORTHROP GRUMMAN INNOVATION SYSTEMS (24) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2022	Sep 2023	19,888	28.52	Y		
1.1.1) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (NGIS)		2023	NORTHROP GRUMMAN INNOVATION SYSTEMS (24) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	5,659	39.54	Y		
1.1.1) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (NGIS)		2024	TBD / TBD	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	7,302	35.35	Y		
1.1.2) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (GD-OTS)		2023	GENERAL DYNAMICS OTS (25) / Marion, IL	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	5,659	39.54	Y		
1.1.2) B139 - CTG, 30MM TP XM950 - Load, Assemble, and Pack (GD-OTS)		2024	TBD / TBD	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	7,302	35.35	Y		
2.1.1) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (NGIS)		2020	NORTHROP GRUMMAN INNOVATION SYSTEMS (26) / PLYMOUTH, MN	C / FFP	PICATINNY ARSENAL, NJ	Jun 2020	Jun 2021	1,940	127.40	Y		Jan 2020
2.1.1) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (NGIS)		2021	NORTHROP GRUMMAN INNOVATION SYSTEMS (26) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2021	Mar 2022	1,620	182.72	Y		Jan 2020
2.1.1) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (NGIS)		2022	NORTHROP GRUMMAN INNOVATION SYSTEMS (26) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Jul 2022	Oct 2023	9,650	186.37	Y		Jan 2020
2.1.1) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (NGIS)		2023	NORTHROP GRUMMAN INNOVATION SYSTEMS (26) / PLYMOUTH, MN	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	23,375	160.53	Y		Jan 2020
2.1.1) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (NGIS)		2024	TBD / TBD	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	12,203	203.60	Y		Jan 2020
2.1.2) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (GD-OTS)		2022	GENERAL DYNAMICS OTS (27) / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2022	Mar 2023	9,650	186.37	Y		
2.1.2) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (GD-OTS)		2023	GENERAL DYNAMICS OTS (27) / MARION, IL	C / FFP	Rock Island Arsenal, IL	Mar 2023	Mar 2024	23,375	160.53	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1350 / Infantry Weapons Ammunition	Item Number / Title [DODIC]: 4 / CTG, 30 MM, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.2) AC55 - CTG, 30MM HEDP-SD XM1198 - Load, Assemble and Pack (GD-OTS)		2024	TBD / TBD	C / FFP	Rock Island Arsenal, IL	Mar 2024	Mar 2025	12,204	203.60	Y		

Footnotes:

(24) Army Contracting Command, Rock Island, IL plans to split total quantity evenly with two (2) contractors.

(25) Army Contracting Command, Rock Island, IL plans to split total quantity evenly with two (2) contractors

(26) Army Contracting Command, Rock Island, IL plans to split total quantity evenly with two (2) contractors.

(27) Army Contracting Command, Rock Island, IL plans to split total quantity evenly with two (2) contractors.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	79.996	28.362	19.691	15.897	0.000	15.897	15.406	16.101	16.400	22.034	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	79.996	28.362	19.691	15.897	0.000	15.897	15.406	16.101	16.400	22.034	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**79.996**	**28.362**	**19.691**	**15.897**	**0.000**	**15.897**	**15.406**	**16.101**	**16.400**	**22.034**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In support of Force Design and Marine Corps readiness to address Littoral Operations in Contested Environments (LOCE) and Indo-Pacific, the Family of Combat Support Munitions includes demolition items, handheld grenades, vehicle launched grenades, pyrotechnic devices, land mines, and Non-lethal items.

Demolition items provide high explosives for the purpose of destroying or altering man-made, natural objects, and/or obstacles. These explosive charges include blasting caps, impulse cartridges, block charges, shaped charges, flexible-linear charges, detonating cord, explosive sheet/cable, canine explosive scent kit items, chain cutters, military dynamite, and 12-Gauge cartridges used for Explosive Ordnance Disposal (EOD). Demolition munition charges are used for general demolition, cutting, breaching, cratering, and destruction of abandoned equipment/ammunition.

Also included in this profile are all handheld offensive/vehicle launched grenades, pyrotechnics/simulator devices, and land mines used by Marine Corps ground forces. This budget also includes colored/ obscuration/irritant smoke grenades, and various pyrotechnics devices used in training to simulate battlefield effects.

Additionally, this budget line item also includes non-lethal munition variants such as 12-Gauge cartridges, 40MM cartridges, diversionary/non-lethal hand grenades, and 81MM non-lethal mortar. These munitions are intended to incapacitate, warn or drive off targeted personnel and/or materiel while minimizing permanent injury to personnel and damage to property in the target area and/or environment.

**These munitions are procured either via Joint Program Executive Office, Armament and Ammunition (JPEO A&A)/Single Manager for Conventional Ammunition (SMCA) or Naval Surface Warfare Center, Crane, IN., using contracts, that consolidate all services buys into their procurement contract actions.

**These munitions have a procurement lead-time of 12-36 months before delivery.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-5	1 / Linear Charges, All Types	P-5a, P-21			- / 69.422	- / 9.739	- / 2.096	- / 3.444	- / 0.000	- / 3.444
P-5	2 / Grenades, All Types	P-5a, P-21			- / 5.488	- / 18.528	- / 15.551	- / 7.425	- / 0.000	- / 7.425
P-5	3 / Demolition Munitions, All Types	P-5a			- / 2.739	- / 0.095	- / 0.669	- / 2.347	- / 0.000	- / 2.347
P-5	4 / Non-Lethal Flash Bang Munition	P-5a			- / 2.347	- / 0.000	- / 1.375	- / 2.681	- / 0.000	- / 2.681
P-40	**Total Gross/Weapon System Cost**				**- / 79.996**	**- / 28.362**	**- / 19.691**	**- / 15.897**	**- / 0.000**	**- / 15.897**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Budget Request: $15.897M

FY 2024 Baseline funding is required to support procurement of various combat support munitions to include; Lightweight Disposable Disruptor (DODIC DWDN), 12-Gauge EOD No. 6 Hardened Lead Cartridge (DODIC DWNT), Linear Charges, M58 (DODIC M913), 81MM Flash Bang Munition (FBM) Non-lethal Mortar, (DODIC CA72), Grenade, Hand Diversionary, BTV-1 MK13 MOD0 (DODIC GG20), Grenade, Hand, Offensive, Scalable, MK21 MOD0, (DODIC GG41), Grenade Hand Smoke, CS M7A3 (DODIC G963), Military Dog Scent Kit (DODIC MDSK), Mine, Antipersonnel Obstacle Breaching System MK7 MOD1 (APOBS) (DODIC MN79), Impulse Cartridge (DODIC M174), and Detonating Cord (DODIC M456). All items procured will support required annual and pre-deployment training, as well as Combat Operations.

FY 2024 funding is also required for Engineering Support In Production (ESIP). ESIP costs support engineering functions on produced units which includes configuration management, First Article Acceptance Testing (FAAT), Lot Acceptance Testing (LAT), and support for items currently in production, and/or post production delivery. Additionally, this funding addresses any changes to design, assuring that the ammunition is of the highest quality, and deals with any manufacturing concerns during these processes.

The $3.794M budget decrease from FY 2023 to FY 2024 is reflected in the divestment of Munitions Requirements for the Amphibious Assault Vehicle (AAV) and the Amphibious Breacher Vehicle (ABV), which are associated with DODIC M913 Linear Charges, M58 and DODIC ML25 Linear Charges, M59. Additionally, several items within this budget line were procured in a previous year.

Ammunition pricing is provided by the Army Single Manager Conventional Ammunition (SMCA), and/or Naval Surface Warfare Center, Crane, IN., which incorporates other service buys.

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 1 / Linear Charges, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	69.422	9.739	2.096	3.444	0.000	3.444
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	69.422	9.739	2.096	3.444	0.000	3.444
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**69.422**	**9.739**	**2.096**	**3.444**	**0.000**	**3.444**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - M913 CHG DEMO LINEAR M58 SERIES A4 Cost																		
Recurring Cost																		
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)	25,550.07	769	19.648	31,939.72	41	1.310	31,939.72	13	0.415	33,237.16	32	1.064	-	-	0.000	33,237.16	32	1.064
1.1.2) M913 COMP C-4(†)	18.86	1,336,885	25.208	17.52	75,926	1.330	17.86	24,074	0.430	18.61	59,259	1.103	-	-	0.000	18.61	59,259	1.103
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM(†)	3,214.88	605	1.945	6,473.78	41	0.265	6,603.25	13	0.086	6,736.41	32	0.216	-	-	0.000	6,736.41	32	0.216
1.1.4) M913 PRODUCTION SUPPORT	-	-	0.095	-	-	0.009	-	-	0.043	-	-	0.022	-	-	0.000	-	-	0.022
1.1.5) NON-RECURRING FIRST ARTICLE ACCEPTANCE TEST (FAAT)	-	-	0.600	-	-	0.042	-	-	0.074	-	-	0.039	-	-	0.000	-	-	0.039
Subtotal: Recurring Cost	-	-	*47.496*	-	-	*2.956*	-	-	*1.048*	-	-	*2.444*	-	-	*0.000*	-	-	*2.444*
Subtotal: Hardware - M913 CHG DEMO LINEAR M58 SERIES A4 Cost	**-**	**-**	***47.496***	**-**	**-**	***2.956***	**-**	**-**	***1.048***	**-**	**-**	***2.444***	**-**	**-**	***0.000***	**-**	**-**	***2.444***
Hardware - MN79 ANTI-PERS OBSTACLE BREACHING SYSTEM Cost																		
Recurring Cost																		

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 1 / Linear Charges, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)	11,861.91	1,738	20.616	11,694.78	488	5.707	12,190.84	68	0.829	12,573.38	66	0.830	-	-	0.000	12,573.38	66	0.830
2.1.2) MN79 PBXN-10 Type 2(†)	28.53	5,678	0.162	26.58	1,464	0.039	28.78	204	0.006	29.79	198	0.006	-	-	0.000	29.79	198	0.006
2.1.3) MN79 PBXN-10 Type 1(†)	20.87	53,660	1.120	25.62	26,840	0.688	27.72	3,740	0.104	28.12	3,630	0.102	-	-	0.000	28.12	3,630	0.102
2.1.4) MN79 PRODUCTION SUPPORT	-	-	0.028	-	-	0.349	-	-	0.109	-	-	0.062	-	-	0.000	-	-	0.062
Subtotal: Recurring Cost	-	-	*21.926*	-	-	*6.783*	-	-	*1.048*	-	-	*1.000*	-	-	*0.000*	-	-	*1.000*
Subtotal: Hardware - MN79 ANTI-PERS OBSTACLE BREACHING SYSTEM Cost	**-**	**-**	***21.926***	**-**	**-**	***6.783***	**-**	**-**	***1.048***	**-**	**-**	***1.000***	**-**	**-**	***0.000***	**-**	**-**	***1.000***
Gross/Weapon System Cost	**-**	**-**	**69.422**	**-**	**-**	**9.739**	**-**	**-**	**2.096**	**-**	**-**	**3.444**	**-**	**-**	**0.000**	**-**	**-**	**3.444**

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 1 / Linear Charges, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2019	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2020	Mar 2023	227	26,264.75	Y		Jan 2020
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2020	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	May 2023	240	26,027.21	Y		Jan 2020
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2021	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Sep 2022	84	26,790.30	Y		Jan 2021
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2022	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	41	31,939.72	Y		Mar 2023
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2023	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2023	Dec 2024	13	31,939.72	Y		Mar 2023
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)(†)		2024	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Dec 2025	32	33,237.16	Y		Mar 2024
1.1.2) M913 COMP C-4		2019	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2020	Jun 2020	420,372	19.84	Y		
1.1.2) M913 COMP C-4		2020	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2020	Jun 2020	444,300	20.24	Y		
1.1.2) M913 COMP C-4		2021	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Jun 2021	149,990	20.64	Y		
1.1.2) M913 COMP C-4		2022	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Jun 2022	75,926	17.52	Y		
1.1.2) M913 COMP C-4		2023	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Sep 2024	24,074	17.86	Y		
1.1.2) M913 COMP C-4		2024	TBD / TBD	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Jan 2025	59,259	18.61	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2019	GFM / N/A	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2020	Mar 2022	227	3,154.77	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2020	GFM / N/A	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2020	Sep 2021	240	3,217.63	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2021	GFM / N/A	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Sep 2021	138	3,308.08	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2022	GFM / N/A	C / FFP	ROCK ISLAND ARSENAL, IL	May 2022	Nov 2022	41	6,473.78	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2023	GFM / N/A	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2023	13	6,603.25	Y		
1.1.3) M913 FUZE ELECTRIC M113A4 - GFM		2024	TBD / TBD	C / FFP	ROCK ISLAND ARSENAL, IL	Jun 2024	Jun 2025	32	6,736.41	Y		
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)		2020	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2020	Jun 2022	792	12,105.00	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 1 / Linear Charges, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)	✓	2020	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2020	Jun 2022	92	10,462.20	Y		
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)		2021	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Dec 2021	Jun 2023	493	11,284.24	Y		
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)		2022	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2023	Nov 2024	488	11,694.78	Y		
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)		2023	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2024	68	12,190.84	Y		
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)(†)		2024	Nammo Perry Inc. / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL	Mar 2024	Sep 2025	66	12,573.38	Y		
2.1.2) MN79 PBXN-10 Type 2		2019	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2020	Jan 2023	875	27.97	Y		
2.1.2) MN79 PBXN-10 Type 2	✓	2019	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2020	Jan 2023	25	27.97	Y		
2.1.2) MN79 PBXN-10 Type 2		2020	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Oct 2019	Apr 2021	3,545	28.50	Y		
2.1.2) MN79 PBXN-10 Type 2		2021	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2021	Jan 2024	1,233	29.33	Y		
2.1.2) MN79 PBXN-10 Type 2		2022	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Sep 2023	1,464	26.58	Y		
2.1.2) MN79 PBXN-10 Type 2		2023	BAE ORDNANCE SYSTEMS, INC. / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	204	28.78	Y		
2.1.2) MN79 PBXN-10 Type 2		2024	TO BE SELECTED / TBD	C / FFP	ROCK ISLAND ARSENAL	Feb 2024	Sep 2025	198	29.79	Y		
2.1.3) MN79 PBXN-10 Type 1		2019	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2020	Jan 2023	17,500	20.26	Y		
2.1.3) MN79 PBXN-10 Type 1	✓	2019	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2020	Jan 2023	550	20.26	Y		
2.1.3) MN79 PBXN-10 Type 1		2020	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Oct 2019	Apr 2021	10,960	21.03	Y		
2.1.3) MN79 PBXN-10 Type 1		2021	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Jan 2021	Jan 2024	24,650	21.24	Y		
2.1.3) MN79 PBXN-10 Type 1		2022	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Sep 2022	Mar 2024	26,840	25.62	Y		
2.1.3) MN79 PBXN-10 Type 1		2023	BAE ORDNANCE SYSTEMS, INC / KINGSPORT, TN	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	3,740	27.72	Y		
2.1.3) MN79 PBXN-10 Type 1		2024	TBD / TBD	C / FFP	ROCK ISLAND ARSENAL	Feb 2024	Sep 2025	3,630	28.12	Y		

(†) indicates the presence of a P-21

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1550 / Combat Support Munitions | **Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

Cost Elements (Units in Each)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 218																															
	1	2019	NAVY	227	0	227						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	227
	1	2020	NAVY	240	0	240																		A -	-	-	-	-	-	-	240
	1	2021	NAVY	84	0	84																		A -	-	-	-	-	-	-	84
	1	2022	NAVY	41	0	41																									41
	1	2023	NAVY	13	0	13																									13
	1	2024	NAVY	32	0	32																									32
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 361																															
	2	2020	NAVY	792	0	792															A -	-	-	-	-	-	-	-	-	-	792
✓	2	2020	NAVY	92	0	92															A -	-	-	-	-	-	-	-	-	-	92
	2	2021	NAVY	493	0	493																									493
	2	2022	NAVY	488	0	488																									488
	2	2023	NAVY	68	0	68																									68
	2	2024	NAVY	66	0	66																									66
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1550 / Combat Support Munitions | **Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

Cost Elements (Units in Each)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
										Calendar Year 2022												Calendar Year 2023									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 218																															
	1	2019	NAVY	227	0	227	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	100	27					0
	1	2020	NAVY	240	0	240	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98	100	42			0
	1	2021	NAVY	84	0	84	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	13	70		0
	1	2022	NAVY	41	0	41																					A -	-	-	-	41
	1	2023	NAVY	13	0	13																					A -	-	-	-	13
	1	2024	NAVY	32	0	32																									32
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 361																															
	2	2020	NAVY	792	0	792	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	586	205					0
✓	2	2020	NAVY	92	0	92	-	-	-	-	-	-	-	-	92																0
	2	2021	NAVY	493	0	493			A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	167	293	33		0
	2	2022	NAVY	488	0	488																A -	-	-	-	-	-	-	-	-	488
	2	2023	NAVY	68	0	68																				A -	-	-	-	-	68
	2	2024	NAVY	66	0	66																									66
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

Cost Elements (Units in Each)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
							Calendar Year 2024												Calendar Year 2025												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 218																															
	1	2019	NAVY	227	227	0																									0
	1	2020	NAVY	240	240	0																									0
	1	2021	NAVY	84	84	0																									0
	1	2022	NAVY	41	0	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41										0
	1	2023	NAVY	13	0	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13										0
	1	2024	NAVY	32	0	32									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 361																															
	2	2020	NAVY	792	792	0																									0
✓	2	2020	NAVY	92	92	0																									0
	2	2021	NAVY	493	493	0																									0
	2	2022	NAVY	488	0	488	-	-	-	-	-	-	-	-	-	-	-	-	-	1	254	-	233								0
	2	2023	NAVY	68	0	68	-	-	-	-	-	-	-	-	-	-	-	-	-	68											0
	2	2024	NAVY	66	0	66						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66	0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

Cost Elements (Units in Each)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
										Calendar Year 2026												Calendar Year 2027									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) M913 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 218																															
	1	2019	NAVY	227	227	0																									0
	1	2020	NAVY	240	240	0																									0
	1	2021	NAVY	84	84	0																									0
	1	2022	NAVY	41	41	0																									0
	1	2023	NAVY	13	13	0																									0
	1	2024	NAVY	32	0	32	-	-	32																						0
2.1.1) MN79 LOAD, ASSEMBLE AND PACK (LAP)																															
Prior Years Deliveries: 361																															
	2	2020	NAVY	792	792	0																									0
✓	2	2020	NAVY	92	92	0																									0
	2	2021	NAVY	493	493	0																									0
	2	2022	NAVY	488	488	0																									0
	2	2023	NAVY	68	68	0																									0
	2	2024	NAVY	66	66	0																									0
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 1 / Linear Charges, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN ORDNANCE LLC (IAAP) - MIDDLETOWN, IA	300	900	1,200	8	8	24	32	6	9	18	27
2	Nammo Perry Inc. - PERRY, FL	300	1,560	6,912	8	8	24	32	6	6	18	24

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	5.488	18.528	15.551	7.425	0.000	7.425
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	5.488	18.528	15.551	7.425	0.000	7.425
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**5.488**	**18.528**	**15.551**	**7.425**	**0.000**	**7.425**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - G881, GRENADE, HAND FRAG M67 W/ CONF CLIP Cost																		
Recurring Cost																		
1.1.1) G881 - GREN, HAND FRAG M67 W/ CONF CLIP - LOAD, ASSEMBLE, AND PACK(†)	46.98	71,052	3.338	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.2) G881 - GREN, HAND FRAG M67 W/ CONF CLIP - PRODUCTION ENGINEERING	-	-	0.148	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
1.1.3) G881 - GREN, HAND FRAG M67 W/ CONF CLIP - QUALITY ASSURANCE	-	-	0.006	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*3.492*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - G881, GRENADE, HAND FRAG M67 W/ CONF CLIP Cost	**-**	**-**	***3.492***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - G940, GRENADE, HAND SMOKE GREEN M18 Cost																		
Recurring Cost																		
2.1.1) G940 - GREN, HAND SMOKE GREEN M18 - LOAD,	-	-	0.000	62.18	61,088	3.798	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
ASSEMBLE, AND PACK(†)																		
2.1.2) G940 - FUZE, HAND GREANDE M201(†)	-	-	0.000	12.72	61,795	0.786	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) G940 - GREN, METAL PARTS / TOP(†)	-	-	0.000	1.18	61,597	0.073	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) G940 - GREN, METAL PARTS / BODY(†)	-	-	0.000	1.18	61,597	0.073	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.5) G940 - GREN, HAND SMOKE GREEN M18 - PRODUCTION ENGINEERING	-	-	0.000	-	-	0.170	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.6) G940 - GREN, HAND SMOKE GREEN M18 - QUALITY ASSURANCE	-	-	0.000	-	-	0.017	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*4.917*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - G940, GRENADE, HAND SMOKE GREEN M18 Cost	**-**	**-**	***0.000***	**-**	**-**	***4.917***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - G963, GRENADE, HAND RIOT CS M7A3 Cost																		
Recurring Cost																		
3.1.1) G963 - GREN, HAND RIOT CS M7A3 - LOAD, ASSEMBLE, AND PACK(†)	-	-	0.000	220.99	1,568	0.347	225.38	16,850	3.798	229.89	1,243	0.286	-	-	0.000	229.89	1,243	0.286
3.1.2) G963 - FUZE, HAND GRENADE M201(†)	-	-	0.000	12.72	1,631	0.021	13.21	17,524	0.231	13.60	1,292	0.018	-	-	0.000	13.60	1,292	0.018
3.1.3) G963 - GREN, METAL PARTS / TOP(†)	-	-	0.000	1.18	1,693	0.002	1.22	18,198	0.022	1.17	1,342	0.002	-	-	0.000	1.17	1,342	0.002
3.1.4) G963 - GREN, METAL PARTS / BODY(†)	-	-	0.000	1.18	1,693	0.002	1.22	18,198	0.022	1.17	1,342	0.002	-	-	0.000	1.17	1,342	0.002
3.1.5) G963 - GREN, HAND RIOT CS M7A3	-	-	0.000	-	-	0.699	-	-	0.710	-	-	1.062	-	-	0.000	-	-	1.062

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
- PRODUCTION ENGINEERING																		
3.1.6) G963 - GREN, HAND RIOT CS M7A3 - QUALITY ASSURANCE	-	-	0.000	-	-	0.004	-	-	0.004	-	-	0.004	-	-	0.000	-	-	0.004
3.1.7) G963 - GREN, HAND RIOT CS M7A3 - PINE BLUFF ARSENAL START UP COSTS	-	-	0.000	-	-	1.270	-	-	0.000	-	-	0.160	-	-	0.000	-	-	0.160
3.1.8) G963 - GREN, HAND RIOT CS M7A3 - PINE BLUFF ARSENAL ESIP	-	-	0.000	-	-	0.050	-	-	0.000	-	-	0.020	-	-	0.000	-	-	0.020
3.1.9) G963 - GREN, HAND RIOT CS M7A3 - NONRECURRING - CS GAS PELLETS	-	-	0.000	-	-	0.064	-	-	1.373	-	-	0.409	-	-	0.000	-	-	0.409
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*2.459*	-	-	*6.160*	-	-	*1.963*	-	-	*0.000*	-	-	*1.963*
Subtotal: Hardware - G963, GRENADE, HAND RIOT CS M7A3 Cost	**-**	**-**	***0.000***	**-**	**-**	***2.459***	**-**	**-**	***6.160***	**-**	**-**	***1.963***	**-**	**-**	***0.000***	**-**	**-**	***1.963***
Hardware - G982, GRENADE, HAND SMOKE WHITE TA M83 Cost																		
Recurring Cost																		
4.1.1) G982 - GREN, HAND SMOKE WHITE TA M83 - LOAD, ASSEMBLE, AND PACK(†)	61.05	18,951	1.157	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.2) G982 - FUZE, HAND GRENADE M201(†)	10.02	5,391	0.054	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.3) G982 - GREN, METAL PARTS / TOP(†)	1.31	4,573	0.006	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.4) G982 - GREN, METAL PARTS / BODY(†)	1.30	5,373	0.007	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
4.1.5) G982 - GREN, HAND SMOKE WHITE TA M83 - PRODUCTION ENGINEERING	-	-	0.757	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
4.1.6) G982 - GREN, HAND SMOKE WHITE TA M83 - QUALITY ASSURANCE	-	-	0.015	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.996*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - G982, GRENADE, HAND SMOKE WHITE TA M83 Cost	**-**	**-**	***1.996***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - GG20, GRENADE, HAND DIVERSIONARY, MK13 MOD0 Cost																		
Recurring Cost																		
5.1.1) GG20 - GREN, HAND DIVERSIONARY MK13 MOD0 - LOAD, ASSEMBLE, AND PACK(†)	-	-	0.000	-	-	0.000	60.57	15,835	0.959	62.05	15,073	0.935	-	-	0.000	62.05	15,073	0.935
5.1.2) GG20 - GREN, HAND DIVERSIONARY, MK13 MOD0 - PRODUCTION ENGINEERING	-	-	0.000	-	-	0.000	-	-	0.045	-	-	0.045	-	-	0.000	-	-	0.045
5.1.3) GG20 - GREN, HAND DIVERSIONARY, MK13 MOD0 - CONTRACTING FEE	-	-	0.000	-	-	0.000	-	-	0.016	-	-	0.016	-	-	0.000	-	-	0.016
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*1.020*	-	-	*0.996*	-	-	*0.000*	-	-	*0.996*
Subtotal: Hardware - GG20, GRENADE, HAND DIVERSIONARY, MK13 MOD0 Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***1.020***	**-**	**-**	***0.996***	**-**	**-**	***0.000***	**-**	**-**	***0.996***
Hardware - GG41 - GRENADE, HAND OFFENSIVE SCALABLE, MK21 MOD0 (SOHG) Cost																		
Non Recurring Cost																		
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK(†)	-	-	0.000	159.00	56,659	9.009	169.00	48,679	8.227	173.00	771	0.133	-	-	0.000	173.00	771	0.133
7.1.2) GG41 - GREN, HAND OFF. SCALABLE,	-	-	0.000	-	-	0.110	-	-	0.099	-	-	0.029	-	-	0.000	-	-	0.029

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
MK21 MOD0 - PRODUCTION ENGINEERING																		
7.1.3) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - CONTRACTING FEE	-	-	0.000	-	-	0.057	-	-	0.045	-	-	0.017	-	-	0.000	-	-	0.017
Subtotal: Non Recurring Cost	-	-	*0.000*	-	-	*9.176*	-	-	*8.371*	-	-	*0.179*	-	-	*0.000*	-	-	*0.179*
Subtotal: Hardware - GG41 - GRENADE, HAND OFFENSIVE SCALABLE, MK21 MOD0 (SOHG) Cost	**-**	**-**	***0.000***	**-**	**-**	***9.176***	**-**	**-**	***8.371***	**-**	**-**	***0.179***	**-**	**-**	***0.000***	**-**	**-**	***0.179***
Hardware - L594 - GROUND BURST PROJECTILE SIMULATOR M115A2 Cost																		
Recurring Cost																		
9.1.1) L594 - GROUND BURST PROJ. SIMULATOR M115A2 - LOAD, ASSEMBLE, AND PACK(†)	-	-	0.000	-	-	0.000	-	-	0.000	31.53	127,454	4.019	-	-	0.000	31.53	127,454	4.019
9.1.2) L594 - GROUND BURST PROJ. SIMULATOR M115A2 - PRODUCTION ENGINEERING	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.265	-	-	0.000	-	-	0.265
9.1.3) L594 - GROUND BURST PROJ. SIMULATOR M115A2 - QUALITY ASSURANCE	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.003	-	-	0.000	-	-	0.003
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*4.287*	-	-	*0.000*	-	-	*4.287*
Subtotal: Hardware - L594 - GROUND BURST PROJECTILE SIMULATOR M115A2 Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***4.287***	**-**	**-**	***0.000***	**-**	**-**	***4.287***
Hardware - G945, GRENADE, HAND SMOKE YELLOW M18 (PD / Ukraine) Cost																		
Recurring Cost																		
10.1.1) G945 - GREN, HAND SMOKE YELLOW M18 -	-	-	0.000	62.59	31,571	1.976	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
LOAD, ASSEMBLE, AND PACK(†)																		
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*1.976*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - G945, GRENADE, HAND SMOKE YELLOW M18 (PD / Ukraine) Cost	**-**	**-**	***0.000***	**-**	**-**	***1.976***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Gross/Weapon System Cost	**-**	**-**	**5.488**	**-**	**-**	**18.528**	**-**	**-**	**15.551**	**-**	**-**	**7.425**	**-**	**-**	**0.000**	**-**	**-**	**7.425**

Remarks:

[Hardware] The G940 budget includes $1.976M for inventory replenishment in support of the FY 2022 Presidential Drawdown (PD), which is in addition to the actual executed budget of $4.917M.

[Hardware] The G963 budget decrease from FY 2023 to FY 2024 reflects reduction in procurement due to Marine Corps inventory meeting the Approved Acquisition Objective (AAO) in the TMR.

[Hardware] The GG20 budget decrease from FY 2023 to FY 2024 reflects reduction in procurement due to Marine Corps inventory meeting the AAO in the TMR.

[Hardware] The GG41 budget decrease from FY 2023 to FY 2024 reflects reduction in procurement due to Marine Corps inventory meeting the AAO in the TMR.

[Hardware] The L594 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the AAO in the TMR.

[Hardware] The G945 components breakout will be provided by the Army upon finalization of pricing.

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) G881 - GREN, HAND FRAG M67 W/ CONF CLIP - LOAD, ASSEMBLE, AND PACK		2021	DAY&ZIMMERMAN LONE STAR, LLC / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Jul 2021	Sep 2023	71,052	46.98	Y		Apr 2021
2.1.1) G940 - GREN, HAND SMOKE GREEN M18 - LOAD, ASSEMBLE, AND PACK		2022	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Jul 2022	Oct 2023	61,088	62.18	Y		Apr 2022
2.1.2) G940 - FUZE, HAND GREANDE M201		2022	DAY&ZIMMERMAN LONE STAR, LLC / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Mar 2023	61,795	12.72	Y		Jan 2022
2.1.3) G940 - GREN, METAL PARTS / TOP		2022	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Jan 2023	61,597	1.18	Y		Jan 2022
2.1.4) G940 - GREN, METAL PARTS / BODY		2022	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Jul 2022	Jan 2023	61,597	1.18	Y		Apr 2022
3.1.1) G963 - GREN, HAND RIOT CS M7A3 - LOAD, ASSEMBLE, AND PACK		2022	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2022	Nov 2023	1,568	220.99	Y		Jan 2022
3.1.1) G963 - GREN, HAND RIOT CS M7A3 - LOAD, ASSEMBLE, AND PACK		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2024	16,850	225.38	Y		Jan 2023
3.1.1) G963 - GREN, HAND RIOT CS M7A3 - LOAD, ASSEMBLE, AND PACK		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	May 2024	Nov 2025	1,243	229.89	Y		Jan 2024
3.1.2) G963 - FUZE, HAND GRENADE M201		2022	DAY&ZIMMERMAN LONE STAR, LLC / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Mar 2023	1,631	12.72	Y		Jan 2022
3.1.2) G963 - FUZE, HAND GRENADE M201		2023	DAY&ZIMMERMAN LONE STAR, LLC / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	17,524	13.21	Y		Jan 2023
3.1.2) G963 - FUZE, HAND GRENADE M201		2024	DAY&ZIMMERMAN LONE STAR, LLC / TEXARKANA, TX	C / FFP	ROCK ISLAND ARSENAL,IL	Mar 2024	Mar 2025	1,292	13.60	Y		Jan 2024
3.1.3) G963 - GREN, METAL PARTS / TOP		2022	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Nov 2022	1,693	1.18	Y		Jan 2022
3.1.3) G963 - GREN, METAL PARTS / TOP		2023	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2023	Nov 2023	18,198	1.22	Y		Jan 2023
3.1.3) G963 - GREN, METAL PARTS / TOP		2024	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL,IL	Mar 2024	Nov 2024	1,342	1.17	Y		Jan 2024
3.1.4) G963 - GREN, METAL PARTS / BODY		2022	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2022	Nov 2022	1,693	1.18	Y		Jan 2022
3.1.4) G963 - GREN, METAL PARTS / BODY		2023	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	May 2023	Nov 2024	18,198	1.22	Y		Jan 2023
3.1.4) G963 - GREN, METAL PARTS / BODY		2024	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL,IL	May 2024	Nov 2025	1,342	1.17	Y		Jan 2024

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 2 / Grenades, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
4.1.1) G982 - GREN, HAND SMOKE WHITE TA M83 - LOAD, ASSEMBLE, AND PACK		2021	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL, IL	Mar 2021	Jun 2023	18,951	61.05	Y		Jan 2021
4.1.2) G982 - FUZE, HAND GRENADE M201		2021	CHEMRING ORDANCE INC / PERRY, FL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Mar 2022	5,391	10.04	Y		Jan 2021
4.1.3) G982 - GREN, METAL PARTS / TOP		2021	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Mar 2022	4,573	1.22	Y		Jan 2021
4.1.4) G982 - GREN, METAL PARTS / BODY		2021	TOOL MASTERS INC / TUSCUMBIA, AL	C / FFP	ROCK ISLAND ARSENAL,IL	Mar 2021	Mar 2022	5,373	1.22	Y		Jan 2021
5.1.1) GG20 - GREN, HAND DIVERSIONARY MK13 MOD0 - LOAD, ASSEMBLE, AND PACK		2023	RHEINMETALL / GERMANY	C / FFP	NSWC CRANE, IN	Jul 2023	Jul 2024	15,835	60.57	Y		Oct 2022
5.1.1) GG20 - GREN, HAND DIVERSIONARY MK13 MOD0 - LOAD, ASSEMBLE, AND PACK		2024	RHEINMETALL / GERMANY	C / FFP	NSWC CRANE, IN	Jul 2024	Jul 2025	15,073	62.05	Y		Oct 2023
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK(†)		2022	NAMMO DEFENCE INC / FINLAND	C / FFP	NSWC CRANE,IN	Oct 2022	Oct 2023	56,659	159.00	Y		Jul 2022
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK(†)		2023	NAMMO DEFENCE INC / FINLAND	C / FFP	NSWC CRANE, IN	Oct 2023	Oct 2024	48,679	169.00	Y		Jul 2023
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK(†)		2024	NAMMO DEFENCE INC / FINLAND	C / FFP	NSWC CRANE, IN	Oct 2024	Oct 2025	771	173.00	Y		Jul 2024
9.1.1) L594 - GROUND BURST PROJ. SIMULATOR M115A2 - LOAD, ASSEMBLE, AND PACK		2024	PYROTECHNIQUE BY GRUCCI, INC / RADFORD, VA	C / FFP	ROCK ISLAND ARSENAL,IL	May 2024	Nov 2025	127,454	31.53	Y		Feb 2024
10.1.1) G945 - GREN, HAND SMOKE YELLOW M18 - LOAD, ASSEMBLE, AND PACK		2022	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	ROCK ISLAND ARSENAL,IL	Sep 2022	May 2024	31,571	62.59	Y		Jun 2022

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 2 / Grenades, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK																															
	1	2022	NAVY	56.659	.000	56.659																									56.659
	1	2023	NAVY	48.679	.000	48.679																									48.679
	1	2024	NAVY	.771	.000	.771																									.771
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 2 / Grenades, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
										Calendar Year 2023												Calendar Year 2024									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK																															
	1	2022	NAVY	56.659	.000	56.659	A -	-	-	-	-	-	-	-	-	-	-	-	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	1.659	.000
	1	2023	NAVY	48.679	.000	48.679													A -	-	-	-	-	-	-	-	-	-	-	-	48.679
	1	2024	NAVY	.771	.000	.771																									.771
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 2 / Grenades, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
							Calendar Year 2025												Calendar Year 2026												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
7.1.1) GG41 - GREN, HAND OFF. SCALABLE, MK21 MOD0 - LOAD, ASSEMBLE, AND PACK																															
	1	2022	NAVY	56.659	56.659	.000																									.000
	1	2023	NAVY	48.679	.000	48.679	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	5.000	3.679															.000
	1	2024	NAVY	.771	.000	.771	A -	-	-	-	-	-	-	-	-	-	-	-	.700	.071											.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 2 / Grenades, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	NAMMO DEFENCE INC - FINLAND	5,000	15,000	58,000	9	9	18	27	6	6	12	18

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 3 / Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2.739	0.095	0.669	2.347	0.000	2.347
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	2.739	0.095	0.669	2.347	0.000	2.347
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.739**	**0.095**	**0.669**	**2.347**	**0.000**	**2.347**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - DWDN Light Weight Disposable Disrupter Cost																		
Recurring Cost																		
1.1.1) DWDN COMPLETE ROUND(†)	474.82	2,403	1.141	-	-	0.000	216.80	2,441	0.529	231.47	2,242	0.519	-	-	0.000	231.47	2,242	0.519
Subtotal: Recurring Cost	-	-	*1.141*	-	-	*0.000*	-	-	*0.529*	-	-	*0.519*	-	-	*0.000*	-	-	*0.519*
Subtotal: Hardware - DWDN Light Weight Disposable Disrupter Cost	**-**	**-**	***1.141***	**-**	**-**	***0.000***	**-**	**-**	***0.529***	**-**	**-**	***0.519***	**-**	**-**	***0.000***	**-**	**-**	***0.519***
Hardware - M130 - Cap, Blasting Electric M6 Cost																		
Recurring Cost																		
2.1.1) M130 COMPLETE ROUND(†)	32.68	35,807	1.170	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) M130 PRODUCTION SUPPORT	-	-	0.147	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) M130 QUALITY ASSURANCE	-	-	0.002	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) M130 NON - RECURRING FIRST ARTICAL ACCEPTANCE TEST	-	-	0.077	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*1.396*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 3 / Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - M130 - Cap, Blasting Electric M6 Cost	**-**	**-**	***1.396***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - Military Dog Scent Kit Items Cost																		
Recurring Cost																		
3.1.1) DOG SCENT KITS	-	-	0.202	-	-	0.095	-	-	0.096	-	-	0.093	-	-	0.000	-	-	0.093
Subtotal: Recurring Cost	-	-	*0.202*	-	-	*0.095*	-	-	*0.096*	-	-	*0.093*	-	-	*0.000*	-	-	*0.093*
Subtotal: Hardware - Military Dog Scent Kit Items Cost	**-**	**-**	***0.202***	**-**	**-**	***0.095***	**-**	**-**	***0.096***	**-**	**-**	***0.093***	**-**	**-**	***0.000***	**-**	**-**	***0.093***
Hardware - 12 Gauge EOD No 6 Hardened Lead Cartridge Cost																		
Recurring Cost																		
4.1.1) DWNT COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	6.16	7,115	0.044	6.19	2,760	0.017	-	-	0.000	6.19	2,760	0.017
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.044*	-	-	*0.017*	-	-	*0.000*	-	-	*0.017*
Subtotal: Hardware - 12 Gauge EOD No 6 Hardened Lead Cartridge Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.044***	**-**	**-**	***0.017***	**-**	**-**	***0.000***	**-**	**-**	***0.017***
Hardware - M456- Cord, Detonating Reinforced Cost																		
Recurring Cost																		
5.1.1) M456 Complete Round(†)	-	-	0.000	-	-	0.000	-	-	0.000	1.07	1,056,934	1.131	-	-	0.000	1.07	1,056,934	1.131
5.1.2) M456 PRODUCTION SUPPORT	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.087	-	-	0.000	-	-	0.087
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*1.218*	-	-	*0.000*	-	-	*1.218*
Subtotal: Hardware - M456- Cord, Detonating Reinforced Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***1.218***	**-**	**-**	***0.000***	**-**	**-**	***1.218***
Hardware - M174 - Cartridge, Caliber .50 Impulse Electrically-Initiated Cost																		
Recurring Cost																		
6.1.1) M174 COMPLETE ROUND(†)	-	-	0.000	-	-	0.000	-	-	0.000	21.13	23,663	0.500	-	-	0.000	21.13	23,663	0.500
Subtotal: Recurring Cost	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.500*	-	-	*0.000*	-	-	*0.500*
Subtotal: Hardware - M174 - Cartridge, Caliber .50 Impulse Electrically-Initiated Cost	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.500***	**-**	**-**	***0.000***	**-**	**-**	***0.500***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 3 / Demolition Munitions, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Gross/Weapon System Cost	-	-	2.739	-	-	0.095	-	-	0.669	-	-	2.347	-	-	0.000	-	-	2.347

Remarks:

[Hardware] The M456 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the AAO in the TMR.

[Hardware] The M174 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the AAO in the TMR.

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 3 / Demolition Munitions, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) DWDN COMPLETE ROUND	✓	2020	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	C / FFP	NSWC CRANE, IN	Oct 2019	Apr 2020	2,403	204.30	Y		
1.1.1) DWDN COMPLETE ROUND		2023	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	C / FFP	NSWC CRANE, IN	Oct 2022	Apr 2023	2,441	216.80	N	Apr 2023	
1.1.1) DWDN COMPLETE ROUND		2024	TBD / TBD	C / FFP	NSWC CRANE, IN	Oct 2023	Jan 2025	2,242	231.47	N	Oct 2023	
2.1.1) M130 COMPLETE ROUND		2021	CRANE ARMY AMMUNITION ACTIVITY1 / NSWC CRANE, IND	C / FFP	ROCK ISLAND ARSENAL, IL	Mar 2021	Jun 2023	21,695	35.55	Y		
4.1.1) DWNT COMPLETE ROUND		2023	TBD / TBD	C / TBD	TBD	Sep 2023	Sep 2023	7,115	6.16	Y		
4.1.1) DWNT COMPLETE ROUND		2024	TBD / TBD	C / TBD	** NO PCO **	Oct 2023	Oct 2023	2,760	6.19	Y		
5.1.1) M456 Complete Round		2024	Ensign-Bickford Aerospace & Defense / Simsbury, CT	C / FFP	ROCK ISLAND ARSENAL, IL	May 2024	May 2026	1,056,934	1.07	N	Apr 2025	Jan 2024
6.1.1) M174 COMPLETE ROUND		2024	TBD / TBD	C / TBD	TBD	Mar 2024	Mar 2025	23,663	21.13	N	Oct 2024	Jan 2024

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1550 / Combat Support Munitions	**Item Number / Title [DODIC]:** 4 / Non-Lethal Flash Bang Munition
ID Code (A=Service Ready, B=Not Service Ready) :	**MDAP/MAIS Code:**	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2.347	0.000	1.375	2.681	0.000	2.681
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	2.347	0.000	1.375	2.681	0.000	2.681
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.347**	**0.000**	**1.375**	**2.681**	**0.000**	**2.681**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - CA72, 81MM FLASH BANG MUNITION NON-LETHAL Cost																		
Recurring Cost																		
1.1.1) 81MM, FLASH BANG MUNITION NON-LETHAL - LOAD, ASSEMBLE, AND PACK(†)	1,500.00	1,102	1.653	-	-	0.000	1,836.00	506	0.929	1,873.02	1,188	2.225	-	-	0.000	1,873.02	1,188	2.225
1.1.2) 81MM, FLASH BANG MUNITION NON-LETHAL - PRODUCTION ENGINEERING	-	-	0.104	-	-	0.000	-	-	0.356	-	-	0.366	-	-	0.000	-	-	0.366
1.1.3) 81MM, FLASH BANG MUNITION NON-LETHAL - QUALITY ASSURANCE	-	-	0.090	-	-	0.000	-	-	0.090	-	-	0.090	-	-	0.000	-	-	0.090
1.1.4) 81MM, FLASH BANG MUNITION NON-LETHAL - NONRECURRING / FAAT	-	-	0.500	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*2.347*	-	-	*0.000*	-	-	*1.375*	-	-	*2.681*	-	-	*0.000*	-	-	*2.681*
Subtotal: Hardware - CA72, 81MM FLASH BANG MUNITION NON-LETHAL Cost	**-**	**-**	***2.347***	**-**	**-**	***0.000***	**-**	**-**	***1.375***	**-**	**-**	***2.681***	**-**	**-**	***0.000***	**-**	**-**	***2.681***

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 4 / Non-Lethal Flash Bang Munition
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Gross/Weapon System Cost	-	-	2.347	-	-	0.000	-	-	1.375	-	-	2.681	-	-	0.000	-	-	2.681

Remarks:
[Hardware] The CA72 budget increase from FY 2023 to FY 2024 supports procurement required for Marine Corps inventory to meet the AAO in the TMR.

(†) indicates the presence of a P-5a

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1550 / Combat Support Munitions	Item Number / Title [DODIC]: 4 / Non-Lethal Flash Bang Munition

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) 81MM, FLASH BANG MUNITION NON-LETHAL - LOAD, ASSEMBLE, AND PACK		2021	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Jan 2021	Jul 2023	1,102	1,500.00	Y		Oct 2020
1.1.1) 81MM, FLASH BANG MUNITION NON-LETHAL - LOAD, ASSEMBLE, AND PACK		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Jan 2023	Jul 2025	506	1,836.00	Y		Oct 2022
1.1.1) 81MM, FLASH BANG MUNITION NON-LETHAL - LOAD, ASSEMBLE, AND PACK		2024	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Jan 2024	Jul 2026	1,188	1,873.02	Y		Oct 2023

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1630 / Ammo Modernization

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	139.218	16.727	17.327	17.941	0.000	17.941	18.166	18.492	18.919	19.300	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	139.218	16.727	17.327	17.941	0.000	17.941	18.166	18.492	18.919	19.300	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**139.218**	**16.727**	**17.327**	**17.941**	**0.000**	**17.941**	**18.166**	**18.492**	**18.919**	**19.300**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In support of Force Design 2030 and Marine Corps readiness in support of new Marine Littoral Regiment operations with state of technology ammunition for Littoral Operations in Contested Environments (LOCE) and Indo-Pacific, the Ammunition Modernization budget supports the procurement of technical analysis and labor from the Naval Surface Warfare Centers (NSWCs) Corona, Crane, Indian Head, and Dahlgren Divisions in order to enable the acquisition of modernized, ground-delivered Class V(W) ammunition. This funding line also supports technical efforts in systems assessments, service life analysis, testing and evaluations, technical drawing packages (TDPs), and malfunction investigations.

Ammunition Modernization is an ongoing level-of-effort program that will exist for as long as the United States Marine Corps (USMC) maintains ammunition.

This funding supports life cycle management functions to maintain the USMC ammunition inventory through quality assurance programs, which are vital to predicting service life trends and keeping the warfighter safe during training and operational scenarios.

[P40A / Ammo Modernization]: Beginning in FY 2024, the Ammo Modernization budget consolidates annual program requirements into cost elements that more accurately reflect program execution.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1630 / Ammo Modernization

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-40a	Ammo Modernization				- / 139.218	- / 16.727	- / 17.327	- / 17.941	- / -	- / 17.941
P-40	**Total Gross/Weapon System Cost**				**- / 139.218**	**- / 16.727**	**- / 17.327**	**- / 17.941**	**- / 0.000**	**- / 17.941**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $17.941M

FY 2024 Baseline funding will support the modernization of ground-delivered Class V(W) ammunition and associated components, as well as quality evaluation and assessment. Funding will support the efforts associated with service life accelerated age testing, malfunctions, and quality assurance. Ammunition Modernization addresses the total life cycle management of ammunitions through cyclic testing, surveillance, and destructive testing to assure safety, reliability, performance and combat readiness of ammunition assets.

The funding increase of $0.614M from FY 2023 to FY 2024 supports annual program requirements associated with the procurement and improvement of ammunition through technical, engineering, safety and production assessment modernization efforts.

Additionally, the planned consolidation of the Ammunition Modernization budget lines starting in FY 2024 will facilitate accurate budgeting and execution for program requirements supporting the procurement and improvement of ammunition for the Marine Corps.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1630 / Ammo Modernization	**Aggregated Items Title:** Ammo Modernization (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Ammo Modernization																				
1.1) AM01, 40MM AMMO MOD	A		-	-	9.147	-	-	-	-	-	0.665	-	-	-	-	-	-	-	-	-
1.2) AM02, ROCKETS AMMO MOD	A		-	-	22.145	-	-	0.379	-	-	3.266	-	-	-	-	-	-	-	-	-
1.3) AM03, LINE CHARGE AMMO MOD	A		-	-	8.736	-	-	-	-	-	3.106	-	-	-	-	-	-	-	-	-
1.4) AM04, COMPONENTS AMMO MOD	A		-	-	13.403	-	-	-	-	-	3.196	-	-	-	-	-	-	-	-	-
1.5) AM05, MISSILE COMP AMMO MOD	A		-	-	26.381	-	-	2.904	-	-	3.735	-	-	-	-	-	-	-	-	-
1.6) AM06, QUAL EVAL AMMO MOD	A		-	-	59.330	-	-	13.444	-	-	3.359	-	-	-	-	-	-	-	-	-
1.7) AMMO, AMMO MOD	A		-	-	0.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) INTERNAL SUPPORT (2)	A		-	-	-	-	-	-	-	-	-	-	-	1.540	-	-	-	-	-	1.540
1.9) EXTERNAL SUPPORT (3)	A		-	-	-	-	-	-	-	-	-	-	-	2.781	-	-	-	-	-	2.781
1.10) ESED SUPPORT (4)	A		-	-	-	-	-	-	-	-	-	-	-	13.620	-	-	-	-	-	13.620
Subtotal: 1) Ammo Modernization			**-**	**-**	***139.218***	**-**	**-**	***16.727***	**-**	**-**	***17.327***	**-**	**-**	***17.941***	**-**	**-**	**-**	**-**	**-**	***17.941***
Total			**-**	**-**	**139.218**	**-**	**-**	**16.727**	**-**	**-**	**17.327**	**-**	**-**	**17.941**	**-**	**-**	**-**	**-**	**-**	**17.941**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

(1) The Ammo Modernization budget supports a level of effort program; this includes unforeseen requirement updates during the year of execution, which can cause P40A budget exhibit discrepancies between President's Budget submissions. The United States Marine Corps (USMC), Program Manager - Ammunition is responsible for the entire life cycle of the ammunition inventory. This is an on-going effort and is required for as long as the USMC maintains ammunition. The Ammo Modernization budget pays for necessary technical and programmatic services.

(2) Beginning in FY 2024, the INTERNAL SUPPORT cost element provides for program office support efforts, including programmatic efforts, financial management support, and cyber security technical expertise.

(3) Beginning in FY 2024, the EXTERNAL SUPPORT cost element provides for annual ammunition procurement support efforts through other services, including Naval Warfare Centers and Army activities.

(4) Beginning in FY 2024, the Expeditionary Systems Engineering Division (ESED) SUPPORT cost element provides for required technical, engineering and production support through Naval Surface Warfare Center (NSWC) Corona Division, Fallbrook Detachment, for efforts associated with the procurement and improvement of ammunition. ESED is the In-Service Engineering Agent (ISEA) and provides critical program ammunition procurement support tasks that enable the acquisition of quality ammunition for warfighter use, including production-focused Integrated Production Teams (IPTs) that ensure conformance to contract, Technical Data Package (TDP) quality requirements, resolution of technical production issues, and collaboration across the joint services throughout the production phase of Class V(W) ammunition. The budget for ESED support reduces risks and improves total life-cycle safety, reliability and serviceability for all program ammunition procurements.

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	455.223	97.048	15.514	82.452	0.000	82.452	124.502	119.837	141.362	169.772	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	455.223	97.048	15.514	82.452	0.000	82.452	124.502	119.837	141.362	169.772	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**455.223**	**97.048**	**15.514**	**82.452**	**0.000**	**82.452**	**124.502**	**119.837**	**141.362**	**169.772**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

In support of Force Design and Marine Corps readiness to address Littoral Operations in Contested Environments (LOCE) and Indo-Pacific, the Family of Artillery Munitions includes all 155MM artillery ammunition components. The 155MM artillery components are fired from M777 Howitzers, and include: primer, propellant, projectile, and fuze.

**These munitions are all procured via Joint Program Executive Office, Armament and Ammunition (JPEO A&A) / Single Manager for Conventional Ammunition (SMCA) contracts, who consolidate all services buys into their procurement actions.

**These munitions have a procurement lead-time of 36 months.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-40a	Artillery, All Types	P-5a, P-21			- / 309.618	- / 52.867	- / 8.761	- / 73.165	- / -	- / 73.165
P-5	1 / Fuze, All Types	P-5a, P-21			- / 145.605	- / 44.181	- / 6.753	- / 9.287	- / 0.000	- / 9.287
P-40	**Total Gross/Weapon System Cost**				**- / 455.223**	**- / 97.048**	**- / 15.514**	**- / 82.452**	**- / 0.000**	**- / 82.452**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $82.452M

FY 2024 Baseline funding will support the procurement of the following 155MM ammunition:
-DODIC D529 155MM High Explosive (HE) M795 w/TNT projectiles, which support both training and war reserve requirements.
-DODIC DA67 CHG PROP 155MM Modular Artillery Charge System (MACS) M232A2 propellants, which are the charges for all ammunition used in the 155MM Howitzer.
-DODIC DD01 155MM HE Advanced Submunition XM1208 projectiles, which are the replacement for Dual Purpose Improved Conventional Munitions (DPICM) rounds.
-DODIC N340 M739A1 Point Detonating (PD) Fuzes, which are the primary training fuze for all 155MM rounds.

FY 2024 Baseline funding for the engineering support in production of the following 155MM ammunition:
-DODIC D528 155MM M825 WP Smoke projectiles, which provide screening capability to obscure friendly troop and vehicle moves.
-DODIC DA66 155MM M1121 WP Smoke projectiles, which provide an extended range capability over the legacy D550.
-DODIC NA37 M1156 Precision Guidance Kit (PGK) Fuzes, which provides a first-of-its-kind "near-precision" capability with M-code GPS.

The $66.938M budget increase from FY 2023 to FY 2024 supports the procurement of DODICs D529, DA67, DD01, and N340 to provide for warfighter training requirements.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Aggregated Items Title: Artillery, All Types

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) D528 Projectile, 155MM Smoke White Phosphorus M825 (1)																				
1.1) D528 Load, Assemble and Pack (LAP)(†)	A		561.71	13,507	7.587	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) D528 S&A Module(†)	A		30.34	13,778	0.418	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) D528 Modified Projectile Body(†)	A		813.41	9,872	8.030	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) D528 Delay Element(†)	A		119.61	13,778	1.648	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) D528 155MM Smoke Cannister(†)	A		863.29	3,906	3.372	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) D528 Retainers(†)	A		14.01	13,778	0.193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) D528 Projectile Body 155MM M825(†)	A		662.80	13,778	9.132	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) D528 Charge Assembly, Expulsion(†)	A		24.31	13,778	0.335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) D528 Production Engineering	A		-	-	2.062	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
1.10) D528 Acceptance Testing	A		-	-	0.285	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) D528 Projectile, 155MM Smoke White Phosphorus M825			**-**	**-**	***33.062***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***1.000***	**-**	**-**	**-**	**-**	**-**	***1.000***
2) D529 155MM HE M795 w/TNT (2)																				
2.1) D529 M795 LAP(†)	A		255.39	242,057	61.819	360.77	15,304	5.521	-	-	-	378.98	7,005	2.655	-	-	-	378.98	7,005	2.655
2.2) D529 M795 Metal Parts (3)(†)	A		383.29	246,568	94.508	435.20	15,610	6.793	-	-	-	930.00	7,145	6.645	-	-	-	930.00	7,145	6.645
2.3) D529 TNT Supplemental Charge(†)	A		12.49	246,676	3.080	-	-	-	-	-	-	12.49	7,145	0.089	-	-	-	12.49	7,145	0.089
2.4) D529 TNT TYPE I FLAKE (TRINITROTOLUENE)	A		4.77	2,429,943	11.591	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) D529 Wooden Pallets(†)	A		111.61	30,993	3.459	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) D529 Production Engineering (4)	A		-	-	4.143	-	-	0.878	-	-	-	-	-	0.580	-	-	-	-	-	0.580
2.7) D529 Acceptance Testing (5)	A		-	-	1.746	-	-	0.120	-	-	-	-	-	0.031	-	-	-	-	-	0.031

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.8) NRE - Metal Part Facilitization	A		-	-	1.731	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) NRE - IAAP Modernization	A		-	-	1.366	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) D529 155MM HE M795 w/ TNT			**-**	**-**	***183.443***	**-**	**-**	***13.312***	**-**	**-**	**-**	**-**	**-**	***10.000***	**-**	**-**	**-**	**-**	**-**	***10.000***
3) DA54 155MM HE M795 W/IMX																				
3.1) DA54 Load, Assemble, Pack (LAP)(†)	A		281.75	68,913	19.416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) DA54 MELTABLE FUZE PLUG(†)	A		10.20	70,291	0.717	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) DA54 Explosive Fill IMX 104(†)	A		20.23	68,913	1.394	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) DA54 Supplementary Charge, PBXN9(†)	A		19.31	70,291	1.357	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) DA54 Wooden Pallets(†)	A		135.62	8,959	1.215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) DA54 Explosive Fill IMX-101(†)	A		14.78	2,274,129	33.612	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.7) DA54 M795 IM Metal Part(†)	A		379.81	70,291	26.697	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.8) DA54 Production Engineering			-	-	1.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.9) DA54 Acceptance Testing			-	-	0.715	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) DA54 155MM HE M795 W/IMX			**-**	**-**	***87.081***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
4) DA66, 155MM WP Smoke ER, 1121 (6)																				
4.1) DA66 Load, Assemble and Pack (LAP)(†)	A		-	-	-	523.92	2,841	1.488	564.58	4,013	2.266	-	-	-	-	-	-	-	-	-
4.2) DA66 Meltable Fuze Plug(†)	A		-	-	-	8.56	2,898	0.025	8.74	4,093	0.036	-	-	-	-	-	-	-	-	-
4.3) DA66 Cannister Metal Part Set(†)	A		-	-	-	702.75	2,898	2.037	793.81	4,093	3.249	-	-	-	-	-	-	-	-	-
4.4) DA66 Modified Supplemental Charge, PBXN9(†)	A		-	-	-	77.71	2,898	0.225	53.76	4,093	0.220	-	-	-	-	-	-	-	-	-
4.5) DA66 Wooden Pallet, IMX(†)	A		-	-	-	143.88	369	0.053	146.76	521	0.076	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
4.6) DA66 Modified Projectile Body(†)	A		-	-	-	250.96	2,898	0.727	228.39	4,093	0.935	-	-	-	-	-	-	-	-	-
4.7) DA66 Production Engineering	A		-	-	-	-	-	0.335	-	-	1.929	-	-	1.000	-	-	-	-	-	1.000
4.8) DA66 Acceptance Testing	A		-	-	-	-	-	0.017	-	-	0.050	-	-	-	-	-	-	-	-	-
Subtotal: 4) DA66, 155MM WP Smoke ER, 1121			**-**	**-**	***0.000***	**-**	**-**	***4.907***	**-**	**-**	***8.761***	**-**	**-**	***1.000***	**-**	**-**	**-**	**-**	**-**	***1.000***
5) DA67, Chg Prop 155MM (MACS) M232A2 (7)																				
5.1) DA67 Load, Assemble, Pack (LAP) (8)(†)	A		35.01	30,450	1.066	45.74	65,950	3.017	-	-	-	49.16	79,098	3.888	-	-	-	49.16	79,098	3.888
5.2) DA67, Propellant, M31A2 (9)(†)	A		19.78	150,000	2.967	22.53	335,000	7.548	-	-	-	24.72	381,252	9.425	-	-	-	24.72	381,252	9.425
5.3) DA67 Container, M232A1 (10)(†)	A		43.97	6,300	0.277	128.60	14,616	1.880	-	-	-	133.81	16,610	2.223	-	-	-	133.81	16,610	2.223
5.4) DA67 Combustible Cases F/155MM (11)(†)	A		44.15	31,392	1.386	56.26	73,104	4.113	-	-	-	59.85	81,470	4.876	-	-	-	59.85	81,470	4.876
5.5) DA67 Ignition Propellant, MACS (12)(†)	A		-	-	-	11.50	4,600	0.053	-	-	-	11.96	5,141	0.061	-	-	-	11.96	5,141	0.061
5.6) DA67 Production Engineering (13)	A		-	-	0.215	-	-	0.124	-	-	-	-	-	0.553	-	-	-	-	-	0.553
5.7) DA67 Acceptance Testing (14)	A		-	-	0.121	-	-	0.108	-	-	-	-	-	0.124	-	-	-	-	-	0.124
Subtotal: 5) DA67, Chg Prop 155MM (MACS) M232A2			**-**	**-**	***6.032***	**-**	**-**	***16.843***	**-**	**-**	**-**	**-**	**-**	***21.150***	**-**	**-**	**-**	**-**	**-**	***21.150***
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208 (15)																				
6.1) DD01 Complete Round (16)(†)	A		-	-	-	-	-	-	-	-	-	14,047.69	2,654	37.283	-	-	-	14,047.69	2,654	37.283
6.2) DD01 Production Engineering	A		-	-	-	-	-	-	-	-	-	-	-	1.482	-	-	-	-	-	1.482
6.3) DD01 Acceptance Testing	A		-	-	-	-	-	-	-	-	-	-	-	0.250	-	-	-	-	-	0.250
6.4) DD01 First Article Test	A		-	-	-	-	-	-	-	-	-	-	-	1.000	-	-	-	-	-	1.000
Subtotal: 6) DD01, Projectile 155MM, Adv Sub-Mun XM1208			**-**	**-**	***0.000***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	***40.015***	**-**	**-**	**-**	**-**	**-**	***40.015***
9) PD Replenishment (Ukraine)																				
9.1) PD Replenishment	A		-	-	-	956.15	10,400	9.944	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Tranche 3 D529 All Up Round(†)																				
9.2) PD Replenishment Tranche 5 D529 All Up Round (17)(†)	A		-	-	-	912.69	8,613	7.861	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9) PD Replenishment (Ukraine)			**-**	**-**	***0.000***	**-**	**-**	***17.805***	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
Total			**-**	**-**	**309.618**	**-**	**-**	**52.867**	**-**	**-**	**8.761**	**-**	**-**	**73.165**	**-**	**-**	**-**	**-**	**-**	**73.165**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

(†) indicates the presence of a P-5a

Footnotes:

(1) The D528 budget increase from FY 2023 to FY 2024 provides for engineering support costs associated with outstanding deliveries.

(2) The D529 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the Approved Acquisition Objective (AAO) in the TMR.

(3) The FY 2023 D529 M795 Metal Parts cost increase reflects the increased cost of steel as a result of the conflict in Ukraine.

(4) The increase from FY 2023 to FY 2024 supports production engineering required for Marine Corps inventory to meet the AAO in the TMR.

(5) The increase from FY 2023 to FY 2024 supports acceptance testing required for Marine Corps inventory to meet the AAO in the TMR.

(6) The DA66 budget decrease from FY 2023 to FY 2024 reflects reduction in procurement due to Marine Corps inventory meeting the AAO in the TMR.

(7) The DA67 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the AAO in the TMR.

(8) FY 2024 DA67 LAP production lead time is estimated at 60 months due to a constrained industrial base as a result of Ukraine Presidential Drawdown (PD) and material unavailability. Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(9) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(10) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(11) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(12) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(13) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(14) Increase from FY2023 to FY2024 supports procurement required for Marine Corps inventory to meet the AAO.

(15) The DD01 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the AAO in the TMR.

(16) FY 2024 DD01 is first year of procurement, which is reflected in the budget increase from FY 2023 to FY 2024.

(17) D529 Budget Line Item (BLI) received $7.861M as replenishment from the FY 2022 Presidential Drawdown (PD); $4.250M was realigned to procure ancillary projectile components: $1.181M for DA12, $2.1682M for DA67, $0.7538M for N340, and $0.147M for NA35.

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Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1) D528 Projectile, 155MM Smoke White Phosphorus M825												
1.1) D528 Load, Assemble and Pack (LAP)		2020	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Mar 2021	Sep 2023	9,678	565.86	Y		
1.1) D528 Load, Assemble and Pack (LAP)		2021	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2021	Feb 2024	3,829	551.43	Y		
1.2) D528 S&A Module		2020	ACTION MANUFACTURING, INC. / BRISTOL, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Oct 2020	Oct 2022	9,872	30.01	Y		
1.2) D528 S&A Module		2021	ACTION MANUFACTURING, INC. / BRISTOL, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2021	Sep 2022	3,906	31.21	Y		
1.3) D528 Modified Projectile Body		2020	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Oct 2021	9,872	813.37	Y		
1.4) D528 Delay Element		2020	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Jan 2021	Jul 2023	9,872	124.74	Y		
1.4) D528 Delay Element		2021	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2023	3,906	106.87	Y		
1.5) D528 155MM Smoke Cannister		2021	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2023	3,906	863.19	Y		
1.6) D528 Retainers		2020	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Jan 2021	Jul 2023	9,872	9.43	Y		
1.6) D528 Retainers		2021	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Mar 2021	Mar 2023	3,906	25.51	Y		
1.7) D528 Projectile Body 155MM M825		2020	IMT DEFENSE CORP / WESTERVILLE, OH	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2020	Apr 2022	9,872	655.38	Y		
1.7) D528 Projectile Body 155MM M825		2021	IMT DEFENSE CORP / WESTERVILLE, OH	C / IDIQ	ROCK ISLAND ARSENAL, IL	Dec 2020	Jun 2022	3,906	681.60	Y		
1.8) D528 Charge Assembly, Expulsion		2020	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Jan 2021	Jul 2022	9,872	24.91	Y		
1.8) D528 Charge Assembly, Expulsion		2021	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Feb 2021	Feb 2023	3,906	22.90	Y		
2) D529 155MM HE M795 w/TNT												
2.1) D529 M795 LAP(†)		2020	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Sep 2020	Jun 2024	134,000	316.59	Y		
2.1) D529 M795 LAP(†)		2021	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2021	May 2024	19,892	315.26	Y		
2.1) D529 M795 LAP(†)		2022	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2022	Jul 2025	15,304	360.77	Y		
2.1) D529 M795 LAP(†)		2024	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	ROCK ISLAND ARSENAL, IL	May 2024	May 2027	7,005	378.98	Y		
2.2) D529 M795 Metal Parts (3)(†)		2020	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2021	Aug 2022	136,680	380.04	Y		

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Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
2.2) D529 M795 Metal Parts (3)(†)		2021	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2021	Aug 2022	20,290	410.57	Y		
2.2) D529 M795 Metal Parts (3)(†)		2022	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2022	Dec 2023	15,610	435.20	Y		
2.2) D529 M795 Metal Parts (3)(†)		2024	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Aug 2024	Feb 2026	7,145	930.00	N		
2.3) D529 TNT Supplemental Charge		2020	Accurate Energetics Systems / McEwen, TX	C / IDIQ	PICATINNY ARSENAL, NJ	May 2020	Nov 2021	136,680	12.68	Y		
2.3) D529 TNT Supplemental Charge		2021	SPECTRA TECHNOLOGIES / CAMDEN, AR	C / IDIQ	ROCK ISLAND ARSENAL, IL	Apr 2021	Oct 2022	20,398	11.59	Y		
2.3) D529 TNT Supplemental Charge		2024	TBD / TBD	C / IDIQ	ROCK ISLAND ARSENAL, IL	Feb 2024	Aug 2025	7,145	12.49	Y		
2.5) D529 Wooden Pallets		2020	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Feb 2021	Aug 2022	17,085	120.00	Y		
2.5) D529 Wooden Pallets		2021	GENERAL DYNAMICS OTS / SCRANTON, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2021	Feb 2023	2,529	124.89	Y		
3) DA54 155MM HE M795 W/IMX												
3.1) DA54 Load, Assemble, Pack (LAP)(†)		2019	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2019	Aug 2022	43,808	281.75	Y		
3.1) DA54 Load, Assemble, Pack (LAP)(†)	✓	2019	AMERICAN ORDNANCE / MIDDLETOWN, IA	C / FFP	ROCK ISLAND ARSENAL, IL	Aug 2019	Aug 2022	25,105	281.75	Y		
3.2) DA54 MELTABLE FUZE PLUG		2019	POLYMER TECHNOLOGIES, INC. / CLIFTON,NJ	C / IDIQ	PICATINNY ARSENAL, NJ	Jan 2020	Jul 2021	44,684	10.20	Y		
3.2) DA54 MELTABLE FUZE PLUG	✓	2019	POLYMER TECHNOLOGIES, INC. / CLIFTON,NJ	C / IDIQ	PICATINNY ARSENAL, NJ	Jan 2020	Jul 2021	25,607	10.20	Y		
3.3) DA54 Explosive Fill IMX 104		2019	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Aug 2019	Feb 2022	43,808	20.23	Y		
3.3) DA54 Explosive Fill IMX 104	✓	2019	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Aug 2019	Feb 2022	25,105	20.23	Y		
3.4) DA54 Supplementary Charge, PBXN9		2019	SPECTRA TECHNOLOGIES / CAMDEN, AR	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2019	Jan 2021	44,684	19.31	Y		
3.4) DA54 Supplementary Charge, PBXN9	✓	2019	SPECTRA TECHNOLOGIES / CAMDEN, AR	C / IDIQ	ROCK ISLAND ARSENAL, IL	Jul 2019	Jan 2021	25,607	19.31	Y		
3.5) DA54 Wooden Pallets		2019	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2019	Sep 2020	5,695	135.59	Y		
3.5) DA54 Wooden Pallets	✓	2019	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2019	Sep 2020	3,264	135.59	Y		
3.6) DA54 Explosive Fill IMX-101(†)		2019	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Aug 2019	Feb 2022	1,445,664	14.78	Y		

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Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Aggregated Items: Artillery, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
3.6) DA54 Explosive Fill IMX-101(†)	✓	2019	BAE ORDNANCE SYSTEMS / KINGSPORT, TN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Aug 2019	Feb 2022	828,465	14.78	Y		
3.7) DA54 M795 IM Metal Part(†)		2019	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2019	Sep 2020	44,684	379.81	Y		
3.7) DA54 M795 IM Metal Part(†)	✓	2019	MEDICO INDUSTRIES / WILKES-BARRE, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2019	Sep 2020	25,607	379.81	Y		
4) DA66, 155MM WP Smoke ER, 1121												
4.1) DA66 Load, Assemble and Pack (LAP)		2022	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2022	Feb 2025	2,841	523.92	Y		
4.1) DA66 Load, Assemble and Pack (LAP)		2023	PINE BLUFF ARSENAL / PINE BLUFF, AR	PO	PICATINNY ARSENAL, NJ	Feb 2023	Feb 2026	4,013	564.58	Y		
4.2) DA66 Meltable Fuze Plug		2022	POLYMER TECHNOLOGIES, INC. / CLIFTON,NJ	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2022	Mar 2024	2,898	8.56	Y		
4.2) DA66 Meltable Fuze Plug		2023	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	May 2023	Nov 2024	4,093	8.74	Y		
4.3) DA66 Cannister Metal Part Set		2022	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Jan 2022	Jul 2023	2,898	702.75	Y		
4.3) DA66 Cannister Metal Part Set		2023	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Jan 2023	Jul 2024	4,093	793.81	Y		
4.4) DA66 Modified Supplemental Charge, PBXN9		2022	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Mar 2022	Sep 2023	2,898	77.71	Y		
4.4) DA66 Modified Supplemental Charge, PBXN9		2023	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	PICATINNY ARSENAL, NJ	Mar 2023	Sep 2024	4,093	53.76	Y		
4.5) DA66 Wooden Pallet, IMX		2022	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2022	Mar 2023	369	143.88	Y		
4.5) DA66 Wooden Pallet, IMX		2023	KNOX CNTY ASSOC RETARDED CITIZENS / VINCENNES, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2023	Mar 2024	521	146.76	Y		
4.6) DA66 Modified Projectile Body		2022	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	C / IDIQ	ROCK ISLAND ARSENAL, IL	Mar 2022	Sep 2023	2,898	250.96	Y		
4.6) DA66 Modified Projectile Body		2023	CRANE ARMY AMMUNITION ACTIVITY / CRANE, IN	PO	ROCK ISLAND ARSENAL, IL	Mar 2023	Sep 2024	4,093	228.39	Y		
5) DA67, Chg Prop 155MM (MACS) M232A2												
5.1) DA67 Load, Assemble, Pack (LAP) (8)		2020	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	PICATINNY ARSENAL, NJ	May 2020	May 2022	20,400	35.00	Y		
5.1) DA67 Load, Assemble, Pack (LAP) (8)	✓	2020	AMERICAN ORDANCE / MIDDLETOWN, IA	C / IDIQ	PICATINNY ARSENAL, NJ	May 2020	May 2022	10,050	35.00	Y		
5.1) DA67 Load, Assemble, Pack (LAP) (8)		2022	GENERAL DYNAMICS ATP / HAMPTON, AR	C / IDIQ	PICATINNY ARSENAL, NJ	Jul 2022	Jul 2024	65,950	45.74	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Aggregated Items: Artillery, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
5.1) DA67 Load, Assemble, Pack (LAP) (8)		2024	TBD / TBD	C / TBD	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2029	79,098	49.16	Y		
5.2) DA67, Propellant, M31A2 (9)(†)		2020	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Nov 2021	99,000	19.78	Y		
5.2) DA67, Propellant, M31A2 (9)(†)	✓	2020	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Nov 2021	51,000	19.78	Y		
5.2) DA67, Propellant, M31A2 (9)(†)		2022	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2022	Apr 2024	335,000	22.53	Y		
5.2) DA67, Propellant, M31A2 (9)(†)		2024	GENERAL DYNAMICS OTS / CANADA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Nov 2025	381,252	24.72	Y		
5.3) DA67 Container, M232A1 (10)		2020	DELFASCO, INC. / AFTON, TN	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2020	Apr 2021	4,212	44.00	Y		
5.3) DA67 Container, M232A1 (10)	✓	2020	DELFASCO, INC. / AFTON, TN	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2020	Apr 2021	2,088	44.00	Y		
5.3) DA67 Container, M232A1 (10)		2022	CONCO, INC / LOUISVILLE, KY	C / IDIQ	PICATINNY ARSENAL, NJ	May 2022	May 2023	14,616	128.60	Y		
5.3) DA67 Container, M232A1 (10)		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	16,610	133.81	Y		
5.4) DA67 Combustible Cases F/155MM (11)(†)		2020	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Mar 2021	21,024	44.15	Y		
5.4) DA67 Combustible Cases F/155MM (11)(†)	✓	2020	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2020	Mar 2021	10,368	44.15	Y		
5.4) DA67 Combustible Cases F/155MM (11)(†)		2022	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	PICATINNY ARSENAL, NJ	Apr 2022	Mar 2023	73,104	56.26	Y		
5.4) DA67 Combustible Cases F/155MM (11)(†)		2024	ARMTEC DEFENSE, INC. / COACHELLA, CA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	81,470	59.85	Y		
5.5) DA67 Ignition Propellant, MACS (12)		2022	ST MARKS POWDER, INC. / CRAWFORDVILLE, FL	C / IDIQ	PICATINNY ARSENAL, NJ	Aug 2022	Aug 2023	4,600	11.50	Y		
5.5) DA67 Ignition Propellant, MACS (12)		2024	ST MARKS POWDER, INC. / CRAWFORDVILLE, FL	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2025	5,141	11.96	Y		
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208												
6.1) DD01 Complete Round (16)(†)		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	May 2024	May 2026	2,654	14,047.69	Y		
9) PD Replenishment (Ukraine)												
9.1) PD Replenishment Tranche 3 D529 All Up Round		2022	AMERICAN ORDNANCE LLC (IAAP) / MIDDLETOWN, IA	C / IDIQ	PICATINNY ARSENAL, NJ	Sep 2022	Sep 2026	10,400	956.15	Y		

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		**Date:** March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Item Number / Title [DODIC]	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty *(Each)*	Unit Cost *($)*	Specs Avail Now?	Date Revision Available	RFP Issue Date
9.2) PD Replenishment Tranche 5 D529 All Up Round (17)		2022	TBD / TBD	C / TBD	PICATINNY ARSENAL, NJ	May 2023	May 2026	8,613	912.69	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2019												Fiscal Year 2020													BALANCE
							Calendar Year 2019												Calendar Year 2020													
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) D529 155MM HE M795 w/TNT																																
2.1) D529 M795 LAP																																
Prior Years Deliveries: 88165																																
	17	2020	NAVY	.134	.000	.134																								A -		.134
	17	2021	NAVY	.020	.000	.020																										.020
	17	2022	NAVY	.015	.000	.015																										.015
	17	2024	NAVY	.007	.000	.007																										.007
2.2) D529 M795 Metal Parts (3)																																
Prior Years Deliveries: 89598																																
	18	2020	NAVY	.137	.000	.137																										.137
	18	2021	NAVY	.020	.000	.020																										.020
	18	2022	NAVY	.016	.000	.016																										.016
	18	2024	NAVY	.007	.000	.007																										.007
3) DA54 155MM HE M795 W/IMX																																
3.1) DA54 Load, Assemble, Pack (LAP)																																
	19	2019	NAVY	.044	.000	.044											A -	-	-	-	-	-	-	-	-	-	-	-	-	-		.044
✓	19	2019	NAVY	.025	.000	.025											A -	-	-	-	-	-	-	-	-	-	-	-	-	-		.025
3.6) DA54 Explosive Fill IMX-101																																
	20	2019	NAVY	1.446	.000	1.446											A -	-	-	-	-	-	-	-	-	-	-	-	-	-		1.446
✓	20	2019	NAVY	.828	.000	.828											A -	-	-	-	-	-	-	-	-	-	-	-	-	-		.828
3.7) DA54 M795 IM Metal Part																																
	21	2019	NAVY	.045	.000	.045						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.010		.035
✓	21	2019	NAVY	.026	.000	.026						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.010		.016
5) DA67, Chg Prop 155MM (MACS) M232A2																																
5.2) DA67, Propellant, M31A2 (9)																																
	22	2020	NAVY	.099	.000	.099																		A -	-	-	-	-	-	-		.099
✓	22	2020	NAVY	.051	.000	.051																		A -	-	-	-	-	-	-		.051
	22	2022	NAVY	.335	.000	.335																										.335
	22	2024	NAVY	.381	.000	.381																										.381
5.4) DA67 Combustible Cases F/155MM (11)																																
	23	2020	NAVY	.021	.000	.021																		A -	-	-	-	-	-	-		.021
✓	23	2020	NAVY	.010	.000	.010																		A -	-	-	-	-	-	-		.010
	23	2022	NAVY	.073	.000	.073																										.073
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP		

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2019												Fiscal Year 2020												BALANCE
							Calendar Year 2019												Calendar Year 2020												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2018	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	23	2024	NAVY	.081	.000	.081																									.081
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208																															
6.1) DD01 Complete Round (16)																															
	24	2024	NAVY	.003	.000	.003																									.003
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1650 / Artillery Munitions | **Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) D529 155MM HE M795 w/TNT																															
2.1) D529 M795 LAP																															
Prior Years Deliveries: 88165																															
	17	2020	NAVY	.134	.000	.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.134
	17	2021	NAVY	.020	.000	.020								A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.020
	17	2022	NAVY	.015	.000	.015																						A -	-	-	.015
	17	2024	NAVY	.007	.000	.007																									.007
2.2) D529 M795 Metal Parts [3]																															
Prior Years Deliveries: 89598																															
	18	2020	NAVY	.137	.000	.137					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015	.015	.107
	18	2021	NAVY	.020	.000	.020					A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015	.005	.000
	18	2022	NAVY	.016	.000	.016																					A -	-	-	-	.016
	18	2024	NAVY	.007	.000	.007																									.007
3) DA54 155MM HE M795 W/IMX																															
3.1) DA54 Load, Assemble, Pack (LAP)																															
	19	2019	NAVY	.044	.000	.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.004	.004	.036
✓	19	2019	NAVY	.025	.000	.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.004	.004	.017
3.6) DA54 Explosive Fill IMX-101																															
	20	2019	NAVY	1.446	.000	1.446	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.250	.250	.196			.000
✓	20	2019	NAVY	.828	.000	.828	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.250	.250	.250	.078					.000
3.7) DA54 M795 IM Metal Part																															
	21	2019	NAVY	.045	.010	.035	.010	.010	.010	.005																					.000
✓	21	2019	NAVY	.026	.010	.016	.010	.006																							.000
5) DA67, Chg Prop 155MM (MACS) M232A2																															
5.2) DA67, Propellant, M31A2 [9]																															
	22	2020	NAVY	.099	.000	.099	-	-	-	-	-	-	-	-	-	-	-	-	-	.050	.049										.000
✓	22	2020	NAVY	.051	.000	.051	-	-	-	-	-	-	-	-	-	-	-	-	-	.051											.000
	22	2022	NAVY	.335	.000	.335																								A -	.335
	22	2024	NAVY	.381	.000	.381																									.381
5.4) DA67 Combustible Cases F/155MM [11]																															
	23	2020	NAVY	.021	.000	.021	-	-	-	-	-	.021																			.000
✓	23	2020	NAVY	.010	.000	.010	-	-	-	-	-	.010																			.000
	23	2022	NAVY	.073	.000	.073																			A -	-	-	-	-	-	.073
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2021												Fiscal Year 2022												BALANCE
										Calendar Year 2021												Calendar Year 2022									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2020	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	23	2024	NAVY	.081	.000	.081																									.081
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208																															
6.1) DD01 Complete Round (16)																															
	24	2024	NAVY	.003	.000	.003																									.003
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1650 / Artillery Munitions | **Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
							Calendar Year 2023												Calendar Year 2024												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) D529 155MM HE M795 w/TNT																															
2.1) D529 M795 LAP																															
Prior Years Deliveries: 88165																															
	17	2020	NAVY	.134	.000	.134	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015	.015	.015	.015	.074
	17	2021	NAVY	.020	.000	.020	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015	.005				.000
	17	2022	NAVY	.015	.000	.015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015
	17	2024	NAVY	.007	.000	.007																			A -	-	-	-	-	.007
2.2) D529 M795 Metal Parts (3)																															
Prior Years Deliveries: 89598																															
	18	2020	NAVY	.137	.030	.107	.015	.015	.015	.015	.015	.015	.015	.002																	.000
	18	2021	NAVY	.020	.020	.000																									.000
	18	2022	NAVY	.016	.000	.016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.015	*									.000
	18	2024	NAVY	.007	.000	.007																							A -	-	.007
3) DA54 155MM HE M795 W/IMX																															
3.1) DA54 Load, Assemble, Pack (LAP)																															
	19	2019	NAVY	.044	.008	.036	.004	.004	.004	.004	.006	.008	.006																		.000
✓	19	2019	NAVY	.025	.008	.017	.004	.004	.004	.004	.001																				.000
3.6) DA54 Explosive Fill IMX-101																															
	20	2019	NAVY	1.446	1.446	.000																									.000
✓	20	2019	NAVY	.828	.828	.000																									.000
3.7) DA54 M795 IM Metal Part																															
	21	2019	NAVY	.045	.045	.000																									.000
✓	21	2019	NAVY	.026	.026	.000																									.000
5) DA67, Chg Prop 155MM (MACS) M232A2																															
5.2) DA67, Propellant, M31A2 (9)																															
	22	2020	NAVY	.099	.099	.000																									.000
✓	22	2020	NAVY	.051	.051	.000																									.000
	22	2022	NAVY	.335	.000	.335	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.050	.050	.050	.050	.050	.050	.035
	22	2024	NAVY	.381	.000	.381																		A -	-	-	-	-	-	-	.381
5.4) DA67 Combustible Cases F/155MM (11)																															
	23	2020	NAVY	.021	.021	.000																									.000
✓	23	2020	NAVY	.010	.010	.000																									.000
	23	2022	NAVY	.073	.000	.073	-	-	-	-	-	.025	.025	.023																	.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2023												Fiscal Year 2024												BALANCE
							Calendar Year 2023												Calendar Year 2024												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2022	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	23	2024	NAVY	.081	.000	.081																		A -	-	-	-	-	-	-	.081
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208																															
6.1) DD01 Complete Round [16]																															
	24	2024	NAVY	.003	.000	.003																				A -	-	-	-	-	.003
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1650 / Artillery Munitions | **Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
										Calendar Year 2025												Calendar Year 2026									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) D529 155MM HE M795 w/TNT																															
2.1) D529 M795 LAP																															
Prior Years Deliveries: 88165																															
	17	2020	NAVY	.134	.060	.074	.015	.015	.015	.015	.014																				.000
	17	2021	NAVY	.020	.020	.000																									.000
	17	2022	NAVY	.015	.000	.015	-	-	-	-	-	-	-	-	-	.010	.005														.000
	17	2024	NAVY	.007	.000	.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.007
2.2) D529 M795 Metal Parts (3)																															
Prior Years Deliveries: 89598																															
	18	2020	NAVY	.137	.137	.000																									.000
	18	2021	NAVY	.020	.020	.000																									.000
	18	2022	NAVY	.016	.016	.000																									.000
	18	2024	NAVY	.007	.000	.007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.007								.000
3) DA54 155MM HE M795 W/IMX																															
3.1) DA54 Load, Assemble, Pack (LAP)																															
	19	2019	NAVY	.044	.044	.000																									.000
✓	19	2019	NAVY	.025	.025	.000																									.000
3.6) DA54 Explosive Fill IMX-101																															
	20	2019	NAVY	1.446	1.446	.000																									.000
✓	20	2019	NAVY	.828	.828	.000																									.000
3.7) DA54 M795 IM Metal Part																															
	21	2019	NAVY	.045	.045	.000																									.000
✓	21	2019	NAVY	.026	.026	.000																									.000
5) DA67, Chg Prop 155MM (MACS) M232A2																															
5.2) DA67, Propellant, M31A2 (9)																															
	22	2020	NAVY	.099	.099	.000																									.000
✓	22	2020	NAVY	.051	.051	.000																									.000
	22	2022	NAVY	.335	.300	.035	.035																								.000
	22	2024	NAVY	.381	.000	.381	-	-	-	-	-	-	-	-	-	-	-	-	-	.050	.050	.050	.050	.050	.050	.050	.031				.000
5.4) DA67 Combustible Cases F/155MM (11)																															
	23	2020	NAVY	.021	.021	.000																									.000
✓	23	2020	NAVY	.010	.010	.000																									.000
	23	2022	NAVY	.073	.073	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2025												Fiscal Year 2026												BALANCE
							Calendar Year 2025												Calendar Year 2026												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2024	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	23	2024	NAVY	.081	.000	.081	-	-	-	-	-	.025	.025	.025	.006																.000
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208																															
6.1) DD01 Complete Round [16]																															
	24	2024	NAVY	.003	.000	.003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.003					.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1650 / Artillery Munitions | **Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2027												Fiscal Year 2028												BALANCE
							Calendar Year 2027												Calendar Year 2028												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2) D529 155MM HE M795 w/TNT																															
2.1) D529 M795 LAP																															
Prior Years Deliveries: 88165																															
	17	2020	NAVY	.134	.134	.000																									.000
	17	2021	NAVY	.020	.020	.000																									.000
	17	2022	NAVY	.015	.015	.000																									.000
	17	2024	NAVY	.007	.000	.007	-	-	-	-	-	-	-	.007																	.000
2.2) D529 M795 Metal Parts (3)																															
Prior Years Deliveries: 89598																															
	18	2020	NAVY	.137	.137	.000																									.000
	18	2021	NAVY	.020	.020	.000																									.000
	18	2022	NAVY	.016	.016	.000																									.000
	18	2024	NAVY	.007	.007	.000																									.000
3) DA54 155MM HE M795 W/IMX																															
3.1) DA54 Load, Assemble, Pack (LAP)																															
	19	2019	NAVY	.044	.044	.000																									.000
✓	19	2019	NAVY	.025	.025	.000																									.000
3.6) DA54 Explosive Fill IMX-101																															
	20	2019	NAVY	1.446	1.446	.000																									.000
✓	20	2019	NAVY	.828	.828	.000																									.000
3.7) DA54 M795 IM Metal Part																															
	21	2019	NAVY	.045	.045	.000																									.000
✓	21	2019	NAVY	.026	.026	.000																									.000
5) DA67, Chg Prop 155MM (MACS) M232A2																															
5.2) DA67, Propellant, M31A2 (9)																															
	22	2020	NAVY	.099	.099	.000																									.000
✓	22	2020	NAVY	.051	.051	.000																									.000
	22	2022	NAVY	.335	.335	.000																									.000
	22	2024	NAVY	.381	.381	.000																									.000
5.4) DA67 Combustible Cases F/155MM (11)																															
	23	2020	NAVY	.021	.021	.000																									.000
✓	23	2020	NAVY	.010	.010	.000																									.000
	23	2022	NAVY	.073	.073	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

Items (Units in Millions, * = < 500)							Fiscal Year 2027												Fiscal Year 2028												BALANCE
							Calendar Year 2027												Calendar Year 2028												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2026	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
	23	2024	NAVY	.081	.081	.000																									.000
6) DD01, Projectile 155MM, Adv Sub-Mun XM1208																															
6.1) DD01 Complete Round (16)																															
	24	2024	NAVY	.003	.003	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Aggregated Items:** Artillery, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	AMERICAN ORDANCE - MIDDLETOWN, IA	97,200	156,000	240,000	11	11	24	35	6	6	24	30
2	GENERAL DYNAMICS OTS - SCRANTON, PA			TBD	0	0	0	0	0	0	0	0
3	AMERICAN ORDNANCE - MIDDLETOWN, IA	97,200	156,000	240,000	8	8	36	44	8	8	36	44
4	BAE ORDNANCE SYSTEMS - KINGSPORT, TN			TBD	0	0	0	0	0	0	0	0
5	MEDICO INDUSTRIES - WILKES-BARRE, PA			TBD	0	0	0	0	0	0	0	0
6	GENERAL DYNAMICS OTS - CANADA			TBD	0	0	0	0	0	0	0	0
7	ARMTEC DEFENSE, INC. - COACHELLA, CA			TBD	0	0	0	0	0	0	0	0
8	TBD - TBD			TBD	0	0	0	0	0	0	0	0

"A" in the Delivery Schedule indicates the Contract Award Date.
Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Item Number / Title [DODIC]: 1 / Fuze, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	145.605	44.181	6.753	9.287	0.000	9.287
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	145.605	44.181	6.753	9.287	0.000	9.287
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**145.605**	**44.181**	**6.753**	**9.287**	**0.000**	**9.287**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Hardware - N340 Fuze Point Detonating M739A1 Cost																		
Recurring Cost																		
1.1.1) N340 Complete Fuze(†)	73.79	214,652	15.839	77.09	147,778	11.392	-	-	0.000	80.21	91,299	7.323	-	-	0.000	80.21	91,299	7.323
1.1.2) N340 Productiong Engineering	-	-	0.512	-	-	0.841	-	-	1.088	-	-	0.591	-	-	0.000	-	-	0.591
1.1.3) N340 Acceptance Testing	-	-	0.811	-	-	0.579	-	-	0.000	-	-	0.373	-	-	0.000	-	-	0.373
Subtotal: Recurring Cost	-	-	*17.162*	-	-	*12.812*	-	-	*1.088*	-	-	*8.287*	-	-	*0.000*	-	-	*8.287*
Subtotal: Hardware - N340 Fuze Point Detonating M739A1 Cost	**-**	**-**	***17.162***	**-**	**-**	***12.812***	**-**	**-**	***1.088***	**-**	**-**	***8.287***	**-**	**-**	***0.000***	**-**	**-**	***8.287***
Hardware - NA29 Precision Guidance Kit (PGK) Cost																		
Recurring Cost																		
2.1.1) NA29 Complete Fuze(†)	6,068.26	10,270	62.321	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.2) NA29 Production Engineering	-	-	3.723	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.3) NA29 Acceptance Testing	-	-	1.150	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.1.4) NA29 PGK NET SUPPORT	-	-	0.500	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*67.694*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Item Number / Title [DODIC]: 1 / Fuze, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Non Recurring Cost																		
2.2.1) NA29 M762A1 S&A PBXW-14	-	-	0.502	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2.2) NA29 Melody II ASIC Chips	-	-	0.338	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2.3) NA29 DOTC GPS Obsolescence	-	-	2.092	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2.4) NA29 Melody II Qual	-	-	0.235	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
2.2.5) NA29 CINCO Buy	-	-	0.161	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Non Recurring Cost	-	-	*3.328*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - NA29 Precision Guidance Kit (PGK) Cost	**-**	**-**	***71.022***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - NA36 Precision Guidance Kit (PGK) Cost																		
Recurring Cost																		
3.1.1) NA36 Complete Fuze(†) (18)	6,414.19	6,765	43.392	6,787.75	4,330	29.391	6,923.35	623	4.313	-	-	0.000	-	-	0.000	-	-	0.000
3.1.2) NA36 Production Engineering	-	-	1.087	-	-	1.530	-	-	1.001	-	-	0.000	-	-	0.000	-	-	0.000
3.1.3) NA36 Acceptance Testing	-	-	1.439	-	-	0.448	-	-	0.351	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Recurring Cost	-	-	*45.918*	-	-	*31.369*	-	-	*5.665*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Non Recurring Cost																		
3.2.1) NA36 M762A1 S&A PBXW-14	-	-	1.503	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
3.2.2) NA36 Melody II ASIC Chips	-	-	10.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000	-	-	0.000
Subtotal: Non Recurring Cost	-	-	*11.503*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*	-	-	*0.000*
Subtotal: Hardware - NA36 Precision Guidance Kit (PGK) Cost	**-**	**-**	***57.421***	**-**	**-**	***31.369***	**-**	**-**	***5.665***	**-**	**-**	***0.000***	**-**	**-**	***0.000***	**-**	**-**	***0.000***
Hardware - NA37 PRECISION GUIDANCE KIT FUZE Cost																		
Recurring Cost																		
4.1.2) NA37 Production Engineering	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.000	-	-	0.000	-	-	1.000

Exhibit P-5, Cost Analysis: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Item Number / Title [DODIC]: 1 / Fuze, All Types
ID Code (A=Service Ready, B=Not Service Ready) :	MDAP/MAIS Code:	

Note: Subtotals or Totals in this Exhibit P-5 may not be exact or sum exactly due to rounding.

Cost Elements	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Recurring Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.000	-	-	0.000	-	-	1.000
Subtotal: Hardware - NA37 PRECISION GUIDANCE KIT FUZE Cost	-	-	0.000	-	-	0.000	-	-	0.000	-	-	1.000	-	-	0.000	-	-	1.000
Gross/Weapon System Cost	-	-	145.605	-	-	44.181	-	-	6.753	-	-	9.287	-	-	0.000	-	-	9.287

Remarks:

[Hardware] The N340 budget increase from FY 2023 to FY 2024 supports the procurement required for Marine Corps inventory to meet the Approved Acquisition Objective (AAO) in the TMR.

[Hardware] The NA36 budget decrease from FY 2023 to FY 2024 reflects reduction in procurement due to Marine Corps inventory meeting the AAO in the TMR.

FY 2022 and FY 2023 funding procures NA37, which replaces NA36 and includes M-code GPS capability.

(†) indicates the presence of a P-5a

Footnotes:

(18) The NA36 budget decrease beginning in FY 2023 reflects Marine Corps procurement of the replacement fuze, NA37.

Exhibit P-5a, Procurement History and Planning: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	P-1 Line Item Number / Title: 1650 / Artillery Munitions	Item Number / Title [DODIC]: 1 / Fuze, All Types

Cost Elements	OCO	FY	Contractor and Location	Method/Type or Funding Vehicle	Location of PCO	Award Date	Date of First Delivery	Qty (Each)	Unit Cost ($)	Specs Avail Now?	Date Revision Available	RFP Issue Date
1.1.1) N340 Complete Fuze(†)		2020	ACTION MANUFACTURING, INC. / BRISTOL, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Jun 2020	Jun 2026	210,076	73.83	Y		
1.1.1) N340 Complete Fuze(†)		2022	ACTION MANUFACTURING, INC. / BRISTOL, PA	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2025	147,778	77.09	Y		
1.1.1) N340 Complete Fuze(†)		2024	TBD / TBD	C / IDIQ	PICATINNY ARSENAL, NJ	Mar 2024	Mar 2027	91,299	80.21	Y		
2.1.1) NA29 Complete Fuze(†)		2021	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	May 2021	May 2023	6,259	5,556.64	Y		
3.1.1) NA36 Complete Fuze(†)		2020	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2020	Mar 2022	2,257	6,414.22	Y		
3.1.1) NA36 Complete Fuze(†)	✓	2020	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2020	Mar 2022	4,508	6,414.22	Y		
3.1.1) NA36 Complete Fuze(†)		2022	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2022	Mar 2024	4,330	6,787.75	Y		
3.1.1) NA36 Complete Fuze(†)		2023	NORTHROP GRUMMAN INNOVATION SYSTEMS / PLYMOUTH, MN	SS / FFP	PICATINNY ARSENAL, NJ	Mar 2023	Mar 2025	623	6,923.35	Y		

(†) indicates the presence of a P-21

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Item Number / Title [DODIC]:** 1 / Fuze, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2020												Fiscal Year 2021												BALANCE
										Calendar Year 2020												Calendar Year 2021									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2019	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) N340 Complete Fuze																															
Prior Years Deliveries: 4576																															
	1	2020	NAVY	210.076	.000	210.076									A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210.076
	1	2022	NAVY	147.778	.000	147.778																									147.778
	2	2024	NAVY	91.299	.000	91.299																									91.299
2.1.1) NA29 Complete Fuze																															
Prior Years Deliveries: 4011																															
	3	2021	NAVY	6.259	.000	6.259																				A -	-	-	-	-	6.259
3.1.1) NA36 Complete Fuze (18)																															
	4	2020	NAVY	2.257	.000	2.257						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.257
✓	4	2020	NAVY	4.508	.000	4.508						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.508
	4	2022	NAVY	4.330	.000	4.330																									4.330
	4	2023	NAVY	.623	.000	.623																									.623
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Item Number / Title [DODIC]:** 1 / Fuze, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2022												Fiscal Year 2023												BALANCE
							Calendar Year 2022												Calendar Year 2023												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2021	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) N340 Complete Fuze																															
Prior Years Deliveries: 4576																															
	1	2020	NAVY	210.076	.000	210.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210.076
	1	2022	NAVY	147.778	.000	147.778						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	147.778
	2	2024	NAVY	91.299	.000	91.299																									91.299
2.1.1) NA29 Complete Fuze																															
Prior Years Deliveries: 4011																															
	3	2021	NAVY	6.259	.000	6.259	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.523	.523	.523	.526	.548	3.616
3.1.1) NA36 Complete Fuze [18]																															
	4	2020	NAVY	2.257	.000	2.257	-	-	-	-	-	.180	.180	.180	.180	.180	.187	.195	.195	.195	.195	.195	.195								.000
✓	4	2020	NAVY	4.508	.000	4.508	-	-	-	-	-	.376	.376	.376	.376	.376	.376	.376	.376	.375	.375	.375	.375								.000
	4	2022	NAVY	4.330	.000	4.330						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.330
	4	2023	NAVY	.623	.000	.623																		A -	-	-	-	-	-	-	.623
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy | **Date:** March 2023

Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1 | **P-1 Line Item Number / Title:** 1650 / Artillery Munitions | **Item Number / Title [DODIC]:** 1 / Fuze, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2024												Fiscal Year 2025												BALANCE
										Calendar Year 2024												Calendar Year 2025									
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2023	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) N340 Complete Fuze																															
Prior Years Deliveries: 4576																															
	1	2020	NAVY	210.076	.000	210.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	210.076
	1	2022	NAVY	147.778	.000	147.778	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.514	12.514	12.514	12.515	12.515	12.515	12.515	60.176
	2	2024	NAVY	91.299	.000	91.299						A -	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	91.299
2.1.1) NA29 Complete Fuze																															
Prior Years Deliveries: 4011																															
	3	2021	NAVY	6.259	2.643	3.616	.548	.548	.548	.548	.548	.548	.328																		.000
3.1.1) NA36 Complete Fuze (18)																															
	4	2020	NAVY	2.257	2.257	.000																									.000
✓	4	2020	NAVY	4.508	4.508	.000																									.000
	4	2022	NAVY	4.330	.000	4.330	-	-	-	-	-	.337	.337	.337	.337	.337	.337	.337	.337	.336	.436	.436	.426								.000
	4	2023	NAVY	.623	.000	.623	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.623							.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Item Number / Title [DODIC]:** 1 / Fuze, All Types

Cost Elements (Units in Thousands)							Fiscal Year 2026												Fiscal Year 2027												BALANCE
							Calendar Year 2026												Calendar Year 2027												
OCO	MFR #	FY	SERVICE	PROC QTY	ACCEPT PRIOR TO 1 OCT 2025	BAL DUE AS OF 1 OCT	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1.1.1) N340 Complete Fuze																															
Prior Years Deliveries: 4576																															
	1	2020	NAVY	210.076	.000	210.076	-	-	-	-	-	-	-	-	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	17.000	18.000	22.076					.000
	1	2022	NAVY	147.778	87.602	60.176	12.515	12.515	12.515	11.813	10.818																				.000
	2	2024	NAVY	91.299	.000	91.299	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.000	15.000	15.000	15.000	15.000	16.299		.000
2.1.1) NA29 Complete Fuze																															
Prior Years Deliveries: 4011																															
	3	2021	NAVY	6.259	6.259	.000																									.000
3.1.1) NA36 Complete Fuze (18)																															
	4	2020	NAVY	2.257	2.257	.000																									.000
✓	4	2020	NAVY	4.508	4.508	.000																									.000
	4	2022	NAVY	4.330	4.330	.000																									.000
	4	2023	NAVY	.623	.623	.000																									.000
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Exhibit P-21, Production Schedule: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1650 / Artillery Munitions	**Item Number / Title [DODIC]:** 1 / Fuze, All Types

MFR Ref #	Manufacturer Name - Location	Production Rates (Each / Year)			Procurement Leadtime (Months)							
					Initial				Reorder			
		MSR For 2024	1-8-5 For 2024	MAX For 2024	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1	ALT Prior to Oct 1	ALT After Oct 1	Manufacturing PLT	Total After Oct 1
1	ACTION MANUFACTURING, INC. - BRISTOL, PA	20,000	35,000	500,000	10	10	36	46	10	10	36	46
2	TBD - TBD			TBD	0	0	0	0	0	0	0	0
3	NORTHROP GRUMMAN INNOVATION SYSTEMS - PLYMOUTH, MN	3,996	13,200	26,400	13	9	27	36	3	6	24	30
4	NORTHROP GRUMMAN INNOVATION SYSTEMS - PLYMOUTH, MN	3,996	13,200	26,400	13	9	27	36	3	6	24	30

"A" in the Delivery Schedule indicates the Contract Award Date.

Note: Due to space limitations, quantities in the Exhibit P-21 delivery calendar are truncated and rounded based on the maximum quantity in the calendar as follows. If the maximum quantity is less than or equal to than 9,999, all quantities are shown as each. If the maximum quantity is between 10,000 and 999,999 all quantities are shown in thousands. If the maximum quantity is between 1,000,000 and 999,999,999 all quantities are shown in millions (rounded to the nearest thousand).If the maximum quantity is equal or greater than 1,000,000,000 all quantities are shown in billions (rounded to the nearest million).

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Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1660 / Items less than $5 million

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Resource Summary	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	84.641	4.108	5.476	5.340	0.000	5.340	5.438	5.537	5.665	5.778	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P-1) *($ in Millions)*	84.641	4.108	5.476	5.340	0.000	5.340	5.438	5.537	5.665	5.778	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**84.641**	**4.108**	**5.476**	**5.340**	**0.000**	**5.340**	**5.438**	**5.537**	**5.665**	**5.778**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

Description:

The Items Less Than $5 Million (LT5M) budget supports Marine Corps Units that have niche ammunition requirements. The LT5M line item includes the Marine Corps (MC) Competition Shooting Team with ammunition loading equipment and unique precision ammunition components through small purchase orders and the government purchase credit card. This line also includes First Destination Transportation Charge (FDTC) funds that are utilized for the distribution of Marine Corps' ammunition end items from manufacturing plants assembly points. The Marine Security Guard Battalion (MSGB) funds the Marine Security Guard Battalion ammunition requirements which are procured through the U.S. State Department. Counter-Drug Interdiction funds are provided by Office of the Secretary of Defense (OSD) to the Marine Corps in the year of execution to support drug interdiction requirements. This line will also be used for the procurement of the Ammunition Inventory Management System consisting of commercially available software solution(s) to fully track, account, audit and manage the supply and distribution of Class V munitions worldwide.

Exhibit P-40, Budget Line Item Justification: PB 2024 Navy	Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N: Procurement of Ammo, Navy & MC / BA 02: Proc Ammo, MC / BSA 1: Marine Corps Ammunition	**P-1 Line Item Number / Title:** 1660 / Items less than $5 million

ID Code (A=Service Ready, B=Not Service Ready): A	Program Elements for Code B Items: N/A	Other Related Program Elements: N/A

Line Item MDAP/MAIS Code: N/A

Exhibits Schedule					Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Exhibit Type	Title*	Subexhibits	ID CD	MDAP/ MAIS Code	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)	Quantity / Total Cost (Each) / ($ M)
P-40a	Items less than $5 million				- / 84.641	- / 4.108	- / 5.476	- / 5.340	- / -	- / 5.340
P-40	**Total Gross/Weapon System Cost**				**- / 84.641**	**- / 4.108**	**- / 5.476**	**- / 5.340**	**- / 0.000**	**- / 5.340**

*Title represents 1) the Number / Title for Items; 2) the Number / Title [DODIC] for Ammunition; and/or 3) the Number / Title (Modification Type) for Modifications. Title represents the P-40a Title when only the P-40a Summary/Total is shown.

Note: Totals in this Exhibit P-40 set may not be exact or sum exactly due to rounding.

Justification:
FY 2024 Baseline Appropriation Request: $5.340M

The FY 2024 baseline funding will procure match ammunition and components for the Marine Corps Rifle Team. Funds will continue to provide First Destination Transportation (FDT) of items delivering in FY 2024 and Marine Security Guard Battalion requirements procured through the U.S. State Department.

The $0.136M funding decrease from FY 2023 to FY 2024 is due to a $0.269M decrease in the Embassy Security Guard due to decreased requirements coupled with increases of $0.008M and $0.125M in the Marine Corps Competition Team and First Destination Transportation Charges respectively due to inflation and increased requirements.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2024 Navy		Date: March 2023
Appropriation / Budget Activity / Budget Sub Activity: 1508N / 02 / 1	**P-1 Line Item Number / Title:** 1660 / Items less than $5 million	**Aggregated Items Title:** Items less than $5 million

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2022			FY 2023			FY 2024 Base			FY 2024 OCO			FY 2024 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Items less than $5 million																				
1.1) A001, RIFLE TEAM AMMUNITION	A		-	-	1.834	-	-	0.265	-	-	0.280	-	-	0.288	-	-	-	-	-	0.288
1.2) DRUG INT, DRUG INTERDICTION	A		-	-	7.986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) FDTC, FIRST DESTINATION TRANSPORTATION CHARGE (1)			-	-	61.840	-	-	3.011	-	-	3.381	-	-	3.506	-	-	-	-	-	3.506
1.4) MSGB, MARINE SECURITY GUARD BATTALION AMMO (2)	A		-	-	8.781	-	-	0.832	-	-	1.815	-	-	1.546	-	-	-	-	-	1.546
1.5) NON-DISTR, Special Purpose MAGTF-Crisis Response	A		-	-	4.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Items less than $5 million			**-**	**-**	***84.641***	**-**	**-**	***4.108***	**-**	**-**	***5.476***	**-**	**-**	***5.340***	**-**	**-**	**-**	**-**	**-**	***5.340***
Total			**-**	**-**	**84.641**	**-**	**-**	**4.108**	**-**	**-**	**5.476**	**-**	**-**	**5.340**	**-**	**-**	**-**	**-**	**-**	**5.340**

Note: Subtotals or Totals in this Exhibit P-40a may not be exact or sum exactly, due to rounding.

Footnotes:

(1) FDTC: First Destination Transportation Cost increase from FY 2023 to FY 2024 is due to increased delivery projections in FY 2024 and inflation.

(2) The Marine Security Guard Battalion (MSGB) funding decrease from FY 2023 to FY 2024 is based on a downward adjustment to the requirement for the Marine Corps Embassies.

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